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tctcccgga	tcctgaggtc	acatgcgtgg	tggtggacgt	aagccacgaa	gaccctgagg	180
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catccccggga	tgagctgacc	aagaaccagg	tcagcctgac	ctgcctgggc	aaaggcttct	480
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acaagagcag	gtggcagcag	gggaacgtct	tctcatgctc	cgtgatgcat	gaggctctgc	660
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<210> 2
 <211> 5
 <212> PRT
 <213> Homo sapiens

 <220>
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 <222> (3)
 <223> Xaa equals any of the twenty naturally occurring L-amino acids

<400> 2
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<210> 3
 <211> 86
 <212> DNA
 <213> Homo sapiens

<400> 3						
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cccgaatat	ctgccatctc	aattag				86

<210> 4
 <211> 27
 <212> DNA
 <213> Homo sapiens

<400> 4				
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<210> 5
 <211> 271
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<400> 5						
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gcccctaact	ccgcccagtt	ccgcccattc	tccgccccat	ggctgactaa	ttttttttat	180
ttatgcagag	gccgaggccg	cctcggcctc	tgagctattc	cagaagtagt	gaggaggctt	240
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<210> 6
 <211> 32
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 <213> Homo sapiens

CCCTTTTCTCC

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<211> 31
<212> DNA
<213> Homo sapiens
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<211> 12
<212> DNA
<213> Homo sapiens
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<211> 73
<212> DNA
<213> Homo sapiens
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<211> 256
<212> DNA
<213> Homo sapiens
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<210> 11
<211> 1169
<212> DNA
<213> Homo sapiens
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<220>
<221> SITE

<222> (1160)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (1168)
 <223> n equals a,t,g, or c

<400> 11

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tgaccctcaa	gtatgaaatc	aagaagctga	tctacgtaca	tctggtcata	tggctgctgc	240
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cctttccccc	caacaacatt	agctacctgg	tgctctccat	gatcagcatg	ggactctttt	420
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<210> 12
 <211> 1310
 <212> DNA
 <213> Homo sapiens

<400> 12

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gatgtgtgtc	tgaaggagga	tgataaagat	gttgaaagt	tgatgaacag	tgtggtatcc	300
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ttccacggga	tggataagaa	tactcctgta	agatacacag	tgtattgcag	ccttattaaa	480
gtggcagcat	cttggtgggg	catccagtac	atcccaactg	agctggatca	agttagaaaa	540
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1310

<210> 13
 <211> 1139
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (7)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (133)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (968)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (1139)
 <223> n equals a,t,g, or c

<400> 13
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 cattgcctgg gangaagtct gtcaacaaag tgacatgtct agtctgccgg aagggtgaca 180
 atgatgagtt tcttctgctt tgtgatgggt gtraccgtgg ctgccacatt tactgccatc 240
 gtcccaagat ggaggctgtc ccagaaggag attggttctg tactgtctgt ttggctcagc 300
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 aaagaaagaa aaaaawaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaan 1139

<210> 14
 <211> 2271
 <212> DNA
 <213> Homo sapiens

<400> 14
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<210> 15
 <211> 626
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (22)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (591)
 <223> n equals a,t,g, or c

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ccccgccagc	cctcaccacc	tgccctcctt	ctaccaggac	ctcagaagcc	cagacctggg	300
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<210> 16

<211> 2118

<212> DNA

<213> Homo sapiens

<400> 16

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<210> 17

<211> 1076

<212> DNA

<213> Homo sapiens

<220>
 <221> SITE
 <222> (979)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (1007)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (1040)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (1050)
 <223> n equals a,t,g, or c

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 ccgttaacca ttttggcctn ataggggggn ggttttttaa aattaattgg gcccgg 1076

<210> 18
 <211> 1379
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (639)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (697)
 <223> n equals a,t,g, or c

<220>
 <221> SITE

<222> (1347)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (1361)
 <223> n equals a,t,g, or c

<400> 18

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cctgaacctc	ctgttccctc	gctatccgtt	tgggatgtac	attccgttcc	tgcactgaa	300
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gcacasaaga	cagctgtatg	gccgggacgc	catgcccacc	catgcctgct	gcctgtcgcc	480
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gaagaacaca	cattactatg	acaagcgtg	gtcctgtgna	actcttccctg	ctggtgtcca	660
tcagcacctc	cgtgatccctc	atgcagcacc	tgtgtcntgc	cagctactgt	gacctgtgc	720
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<210> 19
 <211> 1337
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (20)
 <223> n equals a,t,g, or c

<400> 19

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ccaggaaagg	agcatccatt	cgacatcacg	gtgatgatcc	gggagaagaa	ccccgatggc	180
ttcctgtcgg	cagcggagat	gccccttttc	aagctctaca	tggatcatgtc	cgctgtcttc	240
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atccactggc	tcattggcggc	cttggccttc	accaagagca	tctctctcct	cttccacagc	360
atcaactact	acttcatcaa	cagccagggg	ccaccccatc	gaaggccttg	ccgkcatgta	420
ctacatgcga	cacctgtgca	agggcgccct	cctcttcatc	accatcgccc	tgattggctc	480
aggctgggct	tcattcaagta	cgtcctgtcg	gataaggaga	agaaggtctt	tgggatcggtg	540
atccccatgc	aggctcctggc	caacgtggcc	tacatcatca	tcgagtcccg	cgagggaaggc	600
gccacgaact	acgtgctgtg	gaaggagatt	ttgttccctgg	tggacctcat	ctgctgtgggt	660
gccatcctgt	tccccgtagt	ctgggtccatc	cggcatctcc	aggatgcgtc	tggcacagac	720
gggaagggtg	cagtgaacct	ggccaagctg	aagctgttcc	ggcattacta	tgtcatggtc	780

atctgctacg	tctacttcac	ccgcatcacc	gccatcctgc	tgcagggtggc	tgtgcccttt	840
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acgggctaca	agttccagcc	cacagggaac	aaccctgacc	tgcagctgcc	ccaggaggac	960
gaggaggatg	ttcagatgga	gcaagtaatg	acggactctg	ggttccggga	aggcctctcc	1020
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aagggtcgtc	ctccccagc	atttctcact	cctgcccttc	ttccacagcg	tatgtgggga	1140
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ccatttgga	gaagagtccc	ttctccccc	caaatattgg	gcagccctgt	ccttaccctg	1260
ggaccacccc	tcccttccag	ctatgtgtac	aataatgacc	aatctgtttg	gctaaaaaaaa	1320
aaaaaaaaaa	aactcga					1337

<210> 20
 <211> 1390
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (1267)
 <223> n equals a,t,g, or c

<400> 20						
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gatgagtcac	ctagtgaact	gagtgttgat	agtgagggtg	aatttcaact	ctatagccaa	180
attcattatg	cccaagatct	tgatgatgtc	atcagggagg	aagagcatga	agaaaagaac	240
tctgggaatt	cggaatcttc	gagtagtaaa	ccaaatcaga	agaagcta	cgctctttca	300
gatagtgagg	tcattccagct	gtcagatggg	tcagagggtca	tcactttgtc	tgatgaagac	360
agtatttata	gatgtaaagg	aaagaatgtt	agagttcaag	cacaagaaaa	tgcccatggt	420
ctttcttctt	ctcttcaatc	taatgagctg	gttgataaga	aatgcaagag	tgatattgag	480
aagcctaaat	ctgaagagag	atcagggtga	atccgagagg	tcattgattat	agaggtcagt	540
tcaagtgaag	aggaagagag	caccatttca	gaagggtgata	atgtggaaaag	ctggatgcta	600
ctgggatgtg	aagtagatga	taaagatgat	gatatacctt	tcaaccttgt	gggatgtgaa	660
aactctgtta	ctgaaggaga	agatgggtata	aactgggtcca	tcagtgacaa	agacattgag	720
gcccagatag	ctaataaccg	aacacctgga	agatggaccc	agcgggtacta	ttcagccaac	780
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tgctactatg	rtgacaaata	tgaaattcag	gagagagaaa	agagactaaa	acaaaaata	1260
aaagtantca	agaaaaatgg	ggttatccca	gagccatcca	agctacctta	tataaaagca	1320
gcaaatgaga	acccccacca	tgatataagg	aagggccgtg	cctcatggaa	aagcaacagg	1380
tggcctcaag						1390

<210> 21
 <211> 1431
 <212> DNA
 <213> Homo sapiens

<400> 21						
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tggatcccag	aaggtcgcga	aggcagtacc	gtttcctcag	cggcggactg	ctgcagtaag	180

aatgtctttt	ccacctcatt	tgaatcgccc	tcccatggga	atcccagcac	tcccaccagg	240
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tcctgtacca	atgagcatta	tggctcctgc	tccaactgtc	ttagtaccca	ctgtgtctat	360
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tgaaaattgt	ggtcctacta	ccactgtttt	tgttggcaac	atttccgaga	aagcttcaga	480
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tcgcattcga	tcaagagaaa	aaagcagaga	tcgtgaaagg	gaacgagagc	gggaaagaga	1380
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<210> 22
 <211> 2539
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (1283)
 <223> n equals a,t,g, or c

<400> 22						
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tgctgtcgta	tctgtctctg	agaatcctcg	gggcggtcag	gggatgtcag	gaggggaagg	120
agccgccttc	cctatcttgc	tgtcctcttt	ggcactcagg	ggcaccttcc	atggagccag	180
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<210> 23
 <211> 1041
 <212> DNA
 <213> Homo sapiens

<400> 23						
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gcccagctgt	ggcgtgatac	cagtgcacaa	gtgccccctg	ccagccgggg	ctcgcacctc	480
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<210> 24
 <211> 1962
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (452)
 <223> n equals a,t,g, or c
 <220>

<221> SITE
 <222> (480)
 <223> n equals a,t,g, or c

<400> 24

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cactcaggat	ataacacact	ataatagaaa	atgtagactt	cagaatcagg	tatatttgag	180
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ccctttgtkc	acctatwtgt	ggggatcagt	gcatagtgtg	tgtwaagcat	ttaataacctg	300
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cgtaaaagtaa	aaaaatacat	aaattagctt	attccaatgt	aatatcttca	ggatagtcac	660
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gcagatgata	cccgtacac	ccagggaaca	ggtggtgatg	aggttgatga	ttcagt	1020
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gacaattaga	tggacattta	aaatggaa	tcttttatct	gacaggatca	gctacaatgc	1860
cctgtgttaa	attgttttaa	agtttccctt	ttcttttttg	ccaataaagt	tgtaataaaa	1920
gaccatcata	cattaaaaatc	caaaaaaaaaa	aaaaaaaaaa	aa		1962

<210> 25
 <211> 1228
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (580)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (621)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (1159)

<223> n equals a,t,g, or c

<400> 25

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cccatcgcg	cccggcccgt	cccatcgagg	cccatgcaac	ccacgctcgg	tyccgttccg	1140
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<210> 26

<211> 1340

<212> DNA

<213> Homo sapiens

<220>

<221> SITE

<222> (847)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (1303)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (1307)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (1314)

<223> n equals a,t,g, or c

<400> 26

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agctaaacag	aacgaaaaag	catgcacatc	ttacagatac	agagatcatg	actttggtag	180
atgagactaa	catgtatgaa	ggtgtaggaa	gaatgtttat	tcttcagtcc	aaggaagcaa	240
ttcacagtca	gctgttagag	aagcagaaaa	tagcagaaga	aaaaattaaa	gaactagaac	300
agaaaaagtc	ctacctggag	cgacgttaaa	ggaagctgag	gacaacatcc	gggagatgct	360

gatggcacga	agggcccagt	agggagcctc	tctgggaagc	tcttcctcct	gcccctccca	420
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cagttgtcaa	acacagccat	tataattatg	taaatttgca	aattatgtta	aaaacaagga	1260
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<210> 27
 <211> 806
 <212> DNA
 <213> Homo sapiens

<400> 27						
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cgccgtcccc	ggagcccggc	tcccaggcct	ctcgttttcc	cctacctccc	taagactttt	660
ctgtcactct	ctggccattg	aaaggcttct	gttccttaaa	gtgctgttac	actctccttt	720
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ccctatctta	aaaaaaaaaa	aaaaaa				806

<210> 28
 <211> 696
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (9)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (21)
 <223> n equals a,t,g, or c

<400> 28						
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gggatcccca	tgcacctgt	ccttctccac	tgatactggc	agctcggctc	ctggacccaa	180
gatcccttga	gtggaattct	gcagtgaag	agcccttcgt	gggagctgtc	ccatgtttcc	240
atggccccca	gtctcccctc	cacttggtgg	ggtcaccaac	tactcaccag	aagggggctt	300
accaagaaag	ccctaaaaag	ctgttgactt	atctgcgctt	gttccaactc	ttatgcccc	360
aacctgacct	accaccacca	cgcgctcagc	ctgatgtgtt	tacatggtac	tgtatgtatg	420
ggagagcaga	ctgcaccctc	cagcaacaac	agatgaaagc	cagtgaagcct	actaaccgtg	480
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gaaaatatttt	tttctttctc	attttatgtt	gaactaaaaa	ggattaaaaa	aaaaatctcc	660
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<210> 29

<211> 1007

<212> DNA

<213> Homo sapiens

<220>

<221> SITE

<222> (922)

<223> n equals a,t,g, or c

<400> 29

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ctcagactat	ggatcctcaa	ggacaaactc	tgctgctttt	tctctttgtg	gatttccaca	180
gtgcatttcc	agtccagcaa	atggaaaatct	ggggagtcta	tactttgtct	acaactcatc	240
tcaatgccat	ccttgtggag	agccacagtg	tagtgcaagg	ttccatccaa	ttcactgtgg	300
acaaggctct	ggagcaacat	caccaggctg	ccaaggctca	gcagaaacta	caggcctcac	360
tctcagtggc	tgtgaactcc	atcatgagta	ttctgactgg	aagcactagg	agcagcttcc	420
gaaagatgtg	tctccagacc	cttcaagcag	ctgacacaca	agagttcagg	accaaactgc	480
acaaagtatt	tcgtgagatc	acccaacacc	aatttcttca	ccactgctca	tgtgaggtga	540
agcagctaac	cctagaaaaa	aaggactcag	cccagggcac	tgaggacgca	cctgataaca	600
gcagcctgga	gctcctagca	gataccagcg	ggcaagcaga	aaacaagagg	ctcaagaggg	660
gcagcccccg	catagaggag	atgcgagctc	tgcgctctgc	cagggccccc	agcccgtcag	720
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<210> 30

<211> 2026

<212> DNA

<213> Homo sapiens

<400> 30

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ggcccgtagg	cgtctggcag	cccggcgcca	tcttcacga	gcgccatggc	cgcagcctgc	180
ggggcgggag	cggccgggta	ctgcttgctc	ctcggcttgc	atttgtttct	gctgaccgcg	240
ggccctgccc	tgggctggaa	cgaccctgac	agaatgttgc	tgccgggatgt	aaaagctctt	300
accctccact	atgaccgcta	taccacctcc	cgcaggctgg	atcccatccc	acagttgaaa	360
tgtgttgagg	gcacagctgg	ttgtgattct	tataccccaa	aagtcataca	gtgtcagaac	420
aaaggctggg	atgggtatga	tgtacagtgg	gaatgtaaga	cggacttaga	tattgcatac	480
aaatttggaa	aaactgtggg	gagctgtgaa	ggctatgagt	cctctgaaga	ccagtatgta	540

ctaagagggtt	cttgtggcctt	ggagtataat	ttagattata	cagaacttgg	cctgcagaaa	600
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tcctcggcgg	attcctgtaa	catgagtggg	ttgattacca	tcgtgggtact	ccttggggtac	720
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tgtgctggca	aaaatgcttg	aaacctctat	atttctttcg	ttcataagag	gtaaagggtca	1860
aatttttcaa	caaaagtctt	ttaataacaa	aagcatgcag	ttctctgtga	aatctcaa	1920
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<210> 31
 <211> 699
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (2)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (28)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (44)
 <223> n equals a,t,g, or c

<400> 31						
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attgctgtct	acaggttttct	ttcagattat	gttcatgggt	ttgtgtgtat	acaatatgaa	600

gaatgatctg	aagtaattgt	gctgtattta	tgtttattca	ccagtctttg	attaaataaa	660
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<210> 32
 <211> 1264
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (1057)
 <223> n equals a,t,g, or c

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gttgtcatcc cacacatctc caggggamct gggctcttga tcttggsctc tcccccttta	420
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gcttctttct gttggtttcc agtggttaac actgtataca acagtgcaga caacgtgttt	660
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taca	1264

<210> 33
 <211> 997
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (855)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (881)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (916)
 <223> n equals a,t,g, or c

CCCTTCTCTT

<220>
 <221> SITE
 <222> (957)
 <223> n equals a,t,g, or c

<400> 33

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aaaattgttg	ttgacttggg	tgtggcacct	tggaagctga	agatattcca	ctgccaagta	180
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gggctttatg	ggacntaaa	gttattatag	cttgggaagg	aaaaaaaaaa	aaagggnggg	960
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<210> 34
 <211> 1914
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (1889)
 <223> n equals a,t,g, or c

<400> 34

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tcctaaccce	acccaacct	gccagctccc	agccgccagc	gcctgtccct	gtcacggacc	180
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tgctcctggt	aacttggggt	tttactcctg	taacaactga	aataacaagt	cttgatacag	300
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aaatattcca	gaatgaagta	gctcggcaat	taataagtga	aaaagggtaca	ataaactttt	1080
tacatgccga	ttgtgacaaa	tttagacatc	ctcttctgca	catacagaaa	actccagcag	1140
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atgtattaat	tcctggaaaa	ctcaagcaat	tcgtatttga	cttacattct	ggaaaactgc	1260

acagagaatt	ccatcatgga	cctgacccaa	ctgatacagc	cccaggagag	caagcccaag	1320
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atactctatt	gagggatcga	gatgagcttt	aaaaacttga	aaaacagttt	gtaagccttt	1440
caacagcagc	atcaacctac	gtggtgga	tagtaaacct	atattttcat	aattctatgt	1500
gtatttttat	tttgaataaa	cagaaagaaa	ttttgggttt	ttaatttttt	tctccccgac	1560
tcaaaatgca	ttgtcattta	atatagtagc	ctcttaaaaa	aaaaaaaaac	ctgctaggat	1620
ttaaaaaataa	aaatcagagg	cctatctcca	ctttaaatct	gtcctgtaaa	agttttataa	1680
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ggacttaggg	atgtttcctg	tgctgtatgt	gcttttcttt	ctttcatatg	atcaattctg	1800
ttggtatttt	cagtatctca	tttctcaaag	ctaaagagat	atacattctg	gatacttggg	1860
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<210> 35

<211> 1020

<212> DNA

<213> Homo sapiens

<220>

<221> SITE

<222> (18)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (26)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (1014)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (1015)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (1018)

<223> n equals a,t,g, or c

<400> 35

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taaattgacc	atgcatataa	tattctttgt	ttaaataaaa	gcatactgtt	gaaaccgcga	180
gtgttgcat	tagaaaacag	ttgaacagaa	tgtcaatgtg	cattcatgca	aaaaaacatt	240
taatctgcat	ctgtttttaga	aaaggggggaa	atgaagcaac	ttgtctaaaa	atactgcttt	300
acaaagcatt	tcagcctttc	cccctcagtt	ttgcattgat	tttttgacaa	gtctgtagag	360
cctaatagtt	tccatcaaaag	gcctagatct	cttatttagc	atttttttca	gctcttctct	420
cagaagttca	gctgttgaaa	cgaaaaactgt	actttgtacc	ctcacataca	aagggatcaa	480
atttgacctg	gtgttatttt	agccccaat	ttatgacatt	acacaatatt	aaaatgtaaa	540
tgtttcttta	cccaaactac	ttctagatat	tctagtattt	gcttctgggtg	gaattaaatg	600
acggtaaaat	tggctaatta	tttgaatgaa	tgaatggatg	gatgttttgc	atgctcaatt	660
tctaggtcct	ttgtctagaa	aggaaatttg	cctcagttga	attagtga	tatttctgtc	720
gttgatatta	aaagtgactt	ctgagtacag	ttaagttcct	cctatttgcc	actgggctgt	780
tggttagaag	cataggtaac	tgattaagta	ggtatgatac	tgcatttgaa	ataagtggac	840

acaaactatc	ctttctccac	catggactca	atctgagaac	aacagcattc	atttccattc	900
atttccatac	tggtttttga	ttatatgcag	attcctagta	gcatgcctta	cctacagcac	960
tatgtgcatt	tgctgtcaca	ataaagtata	ttttgtcttg	caaaaaaaaa	aaannaangg	1020

<210> 36
 <211> 781
 <212> DNA
 <213> Homo sapiens

<400> 36						
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ragccactgc	gcctggctga	tcccagcact	tttmaaatga	tgccgctcaa	agccgtgact	120
tggtctactt	tgaacagcaa	acttggtgct	gctgttggtc	acctgaaggc	ctctcaaagt	180
ccagcttcaa	gcaggggtg	aattggccag	tgctcagatc	caggagtcct	gtgttgagag	240
tgtggctttc	agctgcgggg	agctgcactt	ggtggggaaa	gccaggcagg	tcacctcac	300
agccagataa	tgtggaggtc	agaacccaag	gaaggagtg	agacctccac	tcccagtggg	360
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gggtggggcc	agagggacca	gtgccctcct	cagtgccttag	gggcagagcc	acctgcagca	480
atggtatctg	catattagcc	cctctccacc	ttctttctcc	cgctgaatca	tttccctcaa	540
agcccaagag	ctgtcactgc	ttctttctcc	ctgggaagaa	tgctgggact	ctgcctggtg	600
atagactgaa	gccagaacag	tgccacaccc	tcgccttaat	tccttgctag	gtgttctcag	660
atttatgaga	cttcttagtc	aaatatgagg	gaggttggat	gtggtggctt	gtgcctgtaa	720
tcccagcatt	ttgggaagcc	gaggtgggag	gatcccttga	agccaggagt	ttgagacaag	780
c						781

<210> 37
 <211> 966
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (8)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (586)
 <223> n equals a,t,g, or c

<400> 37						
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ttgaatttga	tatgatgtat	atatattcac	ctctagtcca	taggtacata	tagtctatat	180
attaaaaaga	cattggattt	tgacttaaac	tagatgtttc	tcaagcacac	caagacggtg	240
ctagagcctg	ggtttggcca	gagaattggg	tcccggtcag	aagtgagtgg	ggatggctgg	300
cgagcaaggt	gtctgtaggg	cagcacagga	tgctgtgtga	gcagacagca	agcttctgtc	360
ctgccccgag	tgctgaggag	cgaggtgact	gcctacatgg	tgatgsaaag	atttgggcac	420
gcttccggct	ttcaggccaa	acaacctcgc	ttgctccatg	gcaccactga	tcccagcagt	480
ggcccagagg	agctccttcc	tgctgcttca	tgctctgaca	ctttgggggg	ctcctttccc	540
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tgcccagctt	ctgggtcccc	cacctgtggc	ccagggaagg	ctctttgttc	ctcagcccca	780
agctgtatct	ggtgagaaca	gatgcgtagt	cccggagctc	aagttctggg	aagggcagtg	840
cccttttctg	tggggccctg	ggcttgttct	gcattgtttc	aagaggagct	gccactcaaa	900

taggcagccc	tgcaatcgga	gggctgctg	ctccccctga	tcagccccca	gctgcttcct	960
cgtgcc						966

<210> 38
 <211> 416
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (395)
 <223> n equals a,t,g, or c

<400> 38	
gaattcggca	cgaggtaata
gcagtagctc	tacgcgttga
gggtgttctgt	ctctggggct
gtaccagaga	gtgctgtgtc
cctttgtgtc	tgactcartc
ctctgtggga	atctaaaagg
atacctgggc	tatttataga
ggagccctcg	tacctcttgt
ctgggtgggt	tgaratggct
tarcttttgt	tgtggttggga
aggggcagag	gggcctgtcg
tctgtctgc	ctggagctgg
tctgtctgc	cttgccccct
artggatgtg	gacgtktgac
cctttggggg	gaatngcttg
	tggaacaaca
	agggtt
	60
	120
	180
	240
	300
	360
	416

<210> 39
 <211> 1114
 <212> DNA
 <213> Homo sapiens

<400> 39	
tgtgtatttg	gggggactga
ggaggaggag	gacggggggc
ttcgaatgta	atatatgttt
ctgtactgtt	ggccatgtct
ccagtatgta	aagctgggat
cagaagcccc	aggatcccag
ccggagagca	gagggggatt
gggtgttggtg	cttttccctt
cgccggggta	caggtgtgga
ctcttcctgt	ttctcgccat
gcttcctgcc	cacctccagc
gtactcctgg	accccttga
tccaggaagg	cctggggagg
agaggctcac	tcagtaacgt
gaatgtcttt	ctcctctcct
gggtgggcaaa	gttccctctg
tttcaactccc	cagagtctaa
ctcctttaat	acaaattcaa
ggggggggccc	cgggtcccat
agggttacgtg	gggcgaaaca
aatcgcgagc	ggggcggggc
cggaagctg	cggaagctg
ctggagacac	ggccagaacg
aaggttgtcc	cgcttttatgg
ccaccccgcc	cccaggggcca
gggtgataccg	gggggttcca
accacgctct	tcaatgcca
ggtcacccag	cctccagctg
tctgtgcata	gatgggagag
ggaaggagga	tggattgaga
tttccctgat	ttcttgattt
cttactgatt	taatttaatt
gactcttaag	tgcttcgcc
gaaatataaa	aaaaaaaaaa
gggt	aaaaaacycg
	60
	120
	180
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	660
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	780
	840
	900
	960
	1020
	1080
	1114

<210> 40
 <211> 602
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE

<223> n equals a,t,g, or c

gggtcgcacc	acgcgtccgt	cccaggccac	aagacatttc	ctgctcggaa	ccttgttttac	60
taattgtctc	tgtggcacat	tttgtttccc	gtgccttggg	tgtcaagttg	cagctgatat	120
gaatgaatgc	tgtctgtgtg	gaacaagcgt	cgcaatgagg	actctctaca	ggacccgata	180
tggcatccct	ggatctatct	gtgatgacta	tatggcaact	ctttgctgtc	ctcattgtac	240
tctttgcaa	atcaagagag	atatcaacag	aaggagagcc	atgcgtactt	tctaaaaact	300
gatggtgaaa	agctcttacc	gaagcaacaa	aattcagcag	acacctcttc	agcttgagtt	360
cttcaccatc	ttttgcaact	gaaatatgat	ggatatgctt	aagtacaact	gatggcatga	420
aaaaaatcaa	atttttgatt	tattataaat	gaatgttgtc	cctgaactta	gctaaatggt	480
gcaacttagt	ttctccttgc	tttcatatta	tcgaatttcc	tggcttataa	acttttttaa	540
ttacatttga	aatataaacc	aaatgaaata	ttttactgaa	aaaaaaaaaa	aaaaaanccc	600
ca						602

<213> Homo sapiens

<223> n equals a,t,g, or c

ggcagagctt	aggagaacag	ctcccttttg	atccctntca	aaggtgatac	cattggctcc	60
cagcttagag	taagaagctc	tgagaagttg	aatgaagggg	gagatagaga	tgctgaaccc	120
attcttscag	cttcttctag	tgttgttatt	tccagaatgg	ccaacacccc	tacattgata	180
cataaacaca	ttccaaggcc	ttgtgttaata	caaagttcac	cgtcctcctg	gaataggagc	240
cctgggttct	agttctcact	ctgccactgg	gggaaaatcc	aattaaagtc	tggtttagtc	300
agcttgggtc	accatagact	gggtggctta	aacagcagac	atttatttct	ggtagtttct	360
ggaggctaca	aatctaagag	caaggtgcca	gcatggtcac	attctgggtga	gggsccctct	420
cctggccttg	agacggctgc	yttctcaccg	tgtgtctaca	tagcctttcg	tgtgtgtgtg	480
tgtgtgtgtg	tgcgtkcgtg	caagcttcek	gatgtctctt	cttagaagga	caccaacccc	540
atcatgagag	ccctactctc	atgacttagc	ctaaccctaa	ttaccctcca	aaggcccat	600
ctccaaatgc	catcacattg	gagggtagag	cttcaacata	gggatttttg	gggacacaaa	660
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gagattcttt	ctagccttta	tcatttataa	ttctgtgaga	tgtagatttg	cattattttc	780
gagttcgagt	tatatgaagt	gtttccctct	acattttctt	gggcaactga	gaactgaata	840
gggctaggtt	taaatagagt	taggcagtta	ggcttattct	ttattttaat	aagcattttt	900
ggagcatcta	cgggtgtcca	ggaactgaac	tgttgtaaac	attggagctg	taacagagaa	960
caaaagagac						970

<213> Homo sapiens

gaattcggca	cgagccgagg	tcggcagcac	agagctcttg	agatgaagac	cctgttcctg	60
ggtgtcacgc	tcggmctggc	cgctgccctg	tccttmacc	tggrrgagga	ggatatcaca	120
gggacctgg	acgtgaaggc	catggttgct	gataagactt	tccgggagaca	ggaggcccg	180
aaggtgtccc	cagtgaagg	gacagccctg	ggcgggtggga	agttggaagc	cacgttcacc	240
ttcatgaqqq	agqatcqqq	catccagaag	aaaatcctgr	tcggaagac	ggaggacct	300

ggcaaataca	gcgctgtga	gcccctcccc	cayteccacc	cccacccytcc	cccaccgcca	360
accccagtg	accagcctcc	acaggtagag	agtgccccagg	ctgccctttt	gccaggggccc	420
cagctctg	cacctccaag	gaggggctgg	cctctccttc	ctgggggggct	ggtggccctg	480
acatcagaca	ccgggtgtga	caggcttgtc	cgcagtcgag	atggaccaga	tcacgcctgc	540
cctctgggag	gccctagcca	ttgacacatt	gaggaagctg	aggattggga	caaggaggcc	600
aaggattaga	tgggggcagg	aagctcatgt	acctgcagga	gctgccccagg	agggaccayt	660
acatctttta	ctgcaaagac	cagcaccatg	ggggcstgct	ccacatggga	aagcttgtgg	720
gtaggaattc	tgataccaac	cgggaggccc	tggaagaatt	taagaaattg	gtgcagcgca	780
agggactctc	ggaggaggac	attttcacgc	ccctgcagac	gggaagctgc	gttcccgaac	840
actaggcagc	ccccgggtct	gcacctccag	agcccaccct	accaccagac	acagagcccg	900
gaccacctgg	acctaccctc	cagccatgac	ccttccttgc	tcccaccac	ctgactccaa	960
ataaagtcct	tctcccccaa	aaaaaaaaaa	aaaaaaactc	ga		1002

<210> 43
 <211> 2581
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (1591)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (1703)
 <223> n equals a,t,g, or c

<400> 43	
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ccagcttctc	ccagcccctc ttccaggctg tggstgccat ctgccgcctc ctcagcatcc 180
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agaaggagcc	agaggaagag ctctatgact tgagcaaggt tgtcttggct gggggcggtg 300
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cacggcccag	ctccctgtca gacaagaccc agctccacag cagggtggctg gactcgtcgc 480
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gatccgcata	gacttggccg tgggcgacgt ggtcaagacc tggcgtttca gcaacatgcg 1560
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tgtggccttc	agctgcgtgt ctgccagctg ccgaattgta cagcaggtata tcgggggcta 1680

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gcagctcacc	ggggggccatg	aggccttctg	agggctgtct	gattgcccct	gccctgctca	1800
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caaacgagtt	ctttcttgtt	acttttttaa	atttcttttt	tataaattaa	tattttattg	2160
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ctccttgaag	tacttgggaa	ggaggaagcc	atcagtattc	cctggagtca	gaatcacccc	2460
attggcgag	cgggaagaag	gtattccatc	tgctgacaga	gccagagatg	tgactcatgc	2520
cctccccgaa	ggcaaagtca	gctcctgctt	tgtccagact	cacctgccag	agccaggggt	2580
c						2581

<210> 44
 <211> 796
 <212> DNA
 <213> Homo sapiens

<400> 44						
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tttctcactc	agcaaaattg	tgggggtccc	tagtcagcag	ctccctgggc	agctctctga	180
gcaaggtggt	ctctgtggtc	atgaaggaga	gccggctagg	acagtgccgg	aaactcagct	240
gcctctcccc	ttcaactcag	ctggcccccc	gcacctgaag	tgacacaggag	ccgggaagag	300
agtctggagc	ccaccocgga	gggcagcaca	ggagggtgtc	ytgcagctgg	tgtcctgcma	360
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ccctatctta	aaaaaa					796

<210> 45
 <211> 2017
 <212> DNA
 <213> Homo sapiens

<400> 45						
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ccgccagggg	tagcgggtga	gctgcgcacg	tcgcgcgcgc	taccgcaccc	aggttcggcc	120
cgtagcgtct	ggcagcccgg	cgccatcttc	atcgagcgcc	atggcccgag	cctgcggggc	180
gggagcggcg	ggtactgctt	gctcctcggc	ttgcatttgt	ttctgctgac	cgcggggcct	240
gcctgggctg	gaacgacctt	gacagaatgt	tgctgcggga	tgtaaaagct	cttaccttcc	300
actatgacct	ctataccacc	tcccgcagct	ggatcccatc	ccacagttga	aatgtgttgg	360
aggcacagct	ggttgtgatt	cttatacccc	aaaagtcata	cagtgtcaga	acaaaggctg	420
ggatgggtat	gatgtacagt	gggaatgtaa	gacggactta	gatattgcat	acaaatttgg	480
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agtctataag	ctgttctctga	gtgacgggca	gtattctcct	càaccgtact	ctgagtatcc	780
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aacaaaagtc	ttttaataac	aaaagcatgc	agttctctgt	gaaatctcaa	atattgttgt	1920
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<210> 46
 <211> 981
 <212> DNA
 <213> Homo sapiens

<400> 46						
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<210> 47
 <211> 146
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (146)
 <223> Xaa equals stop translation

<400> 47

Met	His	Tyr	Gln	Met	Ser	Val	Thr	Leu	Lys	Tyr	Glu	Ile	Lys	Lys	Leu
1				5					10					15	
Ile	Tyr	Val	His	Leu	Val	Ile	Trp	Leu	Leu	Leu	Val	Ala	Lys	Met	Ser
			20					25					30		
Val	Gly	His	Leu	Arg	Leu	Leu	Ser	His	Asp	Gln	Val	Ala	Met	Pro	Tyr
		35					40					45			
Gln	Trp	Glu	Tyr	Pro	Tyr	Leu	Leu	Ser	Ile	Leu	Pro	Ser	Leu	Leu	Gly
	50					55					60				
Leu	Leu	Ser	Phe	Pro	Arg	Asn	Asn	Ile	Ser	Tyr	Leu	Val	Leu	Ser	Met
65					70					75					80
Ile	Ser	Met	Gly	Leu	Phe	Ser	Ile	Ala	Pro	Leu	Ile	Tyr	Gly	Ser	Met
				85					90					95	
Glu	Met	Phe	Pro	Ala	Ala	Gln	Pro	Ser	Thr	Ala	Met	Ala	Arg	Pro	Thr
			100					105					110		
Val	Ser	Ser	Leu	Val	Phe	Leu	Pro	Phe	Pro	Ser	Cys	Thr	Trp	Cys	Trp
		115					120					125			
Cys	Trp	Gln	Cys	Lys	Cys	Met	Pro	Gly	Ser	Cys	Thr	Thr	Ala	Arg	Ser
	130					135					140				
Ser	Xaa														
145															

<210> 48

<211> 312

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (312)

<223> Xaa equals stop translation

<400> 48

Met	Asn	Ser	Val	Val	Ser	Leu	Leu	Leu	Ile	Leu	Glu	Pro	Asp	Lys	Gln
1				5					10					15	
Glu	Ala	Leu	Ile	Glu	Ser	Leu	Cys	Glu	Lys	Leu	Val	Lys	Phe	Arg	Glu
			20					25					30		
Gly	Glu	Arg	Pro	Ser	Leu	Arg	Leu	Gln	Leu	Leu	Ser	Asn	Leu	Phe	His
		35					40					45			
Gly	Met	Asp	Lys	Asn	Thr	Pro	Val	Arg	Tyr	Thr	Val	Tyr	Cys	Ser	Leu
	50					55					60				
Ile	Lys	Val	Ala	Ala	Ser	Cys	Gly	Ala	Ile	Gln	Tyr	Ile	Pro	Thr	Glu
65					70					75					80

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<400> 49
Met Met Ser Phe Phe Cys Phe Val Met Gly Val Thr Val Ala Ala Thr
  1             5             10             15
Phe Thr Ala Ile Val Pro Arg Trp Arg Leu Ser Gln Lys Glu Ile Gly
  20             25             30

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Ser Val Leu Ser Val Trp Leu Ser Arg Trp Arg Glu Asn Ser Leu Arg
35 40 45

Ser Leu Val Ser Gln Ser Val Ala Arg Ser Gly Lys Val Val Ile Arg
50 55 60

<210> 50

<211> 467

<212> PRT

<213> Homo sapiens

<400> 50

Met Leu Ser Arg Pro Gln Pro Pro Pro Asp Pro Leu Leu Leu Gln Arg
1 5 10 15

Leu Pro Arg Pro Ser Ser Leu Ser Asp Lys Thr Gln Leu His Ser Arg
20 25 30

Trp Leu Asp Ser Ser Arg Cys Leu Met Gln Gln Gly Ile Lys Ala Gly
35 40 45

Asp Ala Leu Trp Leu Arg Phe Lys Tyr Tyr Ser Phe Phe Asp Leu Asp
50 55 60

Pro Lys Thr Asp Pro Val Arg Leu Thr Gln Leu Tyr Glu Gln Ala Arg
65 70 75 80

Trp Asp Leu Leu Leu Glu Glu Ile Asp Cys Thr Glu Glu Glu Met Met
85 90 95

Val Phe Ala Ala Leu Gln Tyr His Ile Asn Lys Leu Ser Gln Ser Gly
100 105 110

Glu Val Gly Glu Pro Ala Gly Thr Asp Pro Gly Leu Asp Asp Leu Asp
115 120 125

Val Ala Leu Ser Asn Leu Glu Val Lys Leu Glu Gly Ser Ala Pro Thr
130 135 140

Asp Val Leu Asp Ser Leu Thr Thr Ile Pro Glu Leu Lys Asp His Leu
145 150 155 160

Arg Ile Phe Arg Pro Arg Lys Leu Thr Leu Lys Gly Tyr Arg Gln His
165 170 175

Trp Val Val Phe Lys Glu Thr Thr Leu Ser Tyr Tyr Lys Ser Gln Asp
180 185 190

Glu Ala Pro Gly Asp Pro Ile Gln Gln Leu Asn Leu Lys Gly Cys Glu
195 200 205

Val Val Pro Asp Val Asn Val Ser Gly Gln Lys Phe Cys Ile Lys Leu
210 215 220

CCITT-4240

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<210> 51
<211> 83
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (83)
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<223> Xaa equals stop translation

<400> 51

Met Arg Pro Gly Arg Gly Ala Gly Thr Pro Gly Arg Pro Gly Arg Gly
1 5 10 15

Arg Gly Leu Ala Ala Thr Cys Ser Leu Ser Ser Pro Ser His Leu Leu
20 25 30

Pro Thr Leu Leu His Thr Phe Ser Phe Ser Leu Pro Pro Pro Ser Pro
35 40 45

Ala Ala Pro Arg Gln Pro Ser Pro Pro Ala Leu Leu Leu Pro Gly Pro
50 55 60

Gln Lys Pro Arg Pro Gly Asp Pro Thr Tyr Thr Gly Ala Leu Thr Asp
65 70 75 80

Trp Ser Xaa

<210> 52

<211> 63

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (63)

<223> Xaa equals stop translation

<400> 52

Met Phe Leu Val Phe Phe Leu Ser Phe Phe Ser His Ser Ile Ser Ala
1 5 10 15

Leu Thr Leu Val Cys Ser Gln Gly Gly Lys Ala Asp Met Asn Leu Leu
20 25 30

Ser Trp Asp Phe Arg Pro His Trp Leu Glu Gly Ile Arg Phe Leu Leu
35 40 45

Gly Trp Gly Gln Ala Leu Met Ala Gly Leu Phe Pro Trp Leu Xaa
50 55 60

<210> 53

<211> 124

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (114)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

SCOTT: HTF60

<222> (124)

<223> Xaa equals stop translation

<400> 53

Met Arg Gly Ser Trp His Arg Ser Pro Leu Pro Ala Val Val Leu Pro
1 5 10 15

Ser Val Leu Gln Thr Ala Leu Ser Pro Leu Ala Leu Cys Gln Ala Trp
20 25 30

Arg Arg Ala Val Pro His Gly Val Pro Ser Gln Arg Leu Arg Asn Gln
35 40 45

Glu Ala Ser Leu Val Pro Lys Gly Val Pro Arg Ala Trp Tyr Pro Gly
50 55 60

Pro Leu Gln Asn Gly Leu Trp Thr His Leu Glu Lys Gly Glu Leu Leu
65 70 75 80

Gly Leu Lys Pro Thr Pro Gly Gly Leu Leu Leu Leu Arg Ser Phe Trp
85 90 95

Asp Pro His Pro Ser Arg Pro Phe Leu Cys Thr Leu Leu Pro Pro Pro
100 105 110

Leu Xaa Ile Phe Pro Pro Leu Arg Cys Ser Ala Xaa
115 120

<210> 54

<211> 180

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (8)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (27)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (84)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (85)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (86)

<223> Xaa equals any of the naturally occurring L-amino acids

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<220>
 <221> SITE
 <222> (99)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (180)
 <223> Xaa equals stop translation

<400> 54

Met Thr Ser Ala Gly Pro Val Xaa Leu Phe Leu Leu Val Ser Ile Ser
 1 5 10 15

Thr Ser Val Ile Leu Met Gln His Leu Leu Xaa Ala Ser Tyr Cys Asp
 20 25 30

Leu Leu His Lys Ala Ala Ala His Leu Gly Cys Trp Gln Lys Val Asp
 35 40 45

Pro Ala Leu Cys Ser Asn Val Leu Gln His Pro Trp Thr Glu Glu Cys
 50 55 60

Met Trp Pro Gln Gly Val Leu Val Lys His Ser Lys Asn Val Tyr Lys
 65 70 75 80

Ala Val Gly Xaa Xaa Xaa Val Ala Ile Pro Ser Asp Val Ser His Phe
 85 90 95

Arg Phe Xaa Phe Phe Phe Ser Lys Pro Leu Arg Ile Leu Asn Ile Leu
 100 105 110

Leu Leu Leu Glu Gly Ala Val Ile Val Tyr Gln Leu Tyr Ser Leu Met
 115 120 125

Ser Ser Glu Lys Trp His Gln Thr Ile Ser Leu Ala Leu Ile Leu Phe
 130 135 140

Ser Asn Tyr Tyr Ala Phe Phe Lys Leu Leu Arg Asp Arg Leu Val Leu
 145 150 155 160

Gly Lys Ala Tyr Ser Tyr Ser Ala Ser Pro Gln Arg Asp Leu Asp His
 165 170 175

Arg Phe Ser Xaa
 180

<210> 55
 <211> 287
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (221)
 <223> Xaa equals any of the naturally occurring L-amino acids

SCOTT: 11/26/80

<223> Xaa equals stop translation

Met Pro Leu Phe Lys Leu Tyr Met Val Met Ser Ala Cys Phe Leu Ala
1 5 10 15

Ala Gly Ile Phe Trp Val Ser Ile Leu Cys Arg Asn Thr Tyr Ser Val
20 25 30

Phe Lys Ile His Trp Leu Met Ala Ala Leu Ala Phe Thr Lys Ser Ile
35 40 45

Ser Leu Leu Phe His Ser Ile Asn Tyr Tyr Phe Ile Asn Ser Gln Gly
50 55 60

Pro	Pro	His	Arg	Arg	Pro	Cys	Arg	His	Val	Leu	His	Arg	Thr	Pro	Ala
65					70					75					80

Glu Gly Arg Pro Pro Leu His His His Arg Pro Asp Trp Leu Arg Leu
85 90 95

Gly Phe Ile Lys Tyr Val Leu Ser Asp Lys Glu Lys Lys Val Phe Gly
100 105 110

Ile Val Ile Pro Met Gln Val Leu Ala Asn Val Ala Tyr Ile Ile Ile
115 120 125

Glu Ser Arg Glu Glu Gly Ala Thr Asn Tyr Val Leu Trp Lys Glu Ile
130 135 140

Leu Phe Leu Val Asp Leu Ile Cys Cys Gly Ala Ile Leu Phe Pro Val
145 150 155 160

Val Trp Ser Ile Arg His Leu Gln Asp Ala Ser Gly Thr Asp Gly Lys
165 170 175

Val Ala Val Asn Leu Ala Lys Leu Lys Leu Phe Arg His Tyr Tyr Val
180 185 190

Met Val Ile Cys Tyr Val Tyr Phe Thr Arg Ile Ile Ala Ile Leu Leu
195 200 205

Gln Val Ala Val Pro Phe Gln Trp Gln Trp Leu Tyr Xaa Leu Leu Val
210 215 220

Glu Gly Ser Thr Leu Ala Phe Phe Val Leu Thr Gly Tyr Lys Phe Gln
225 230 235 240

Pro Thr Gly Asn Asn Pro Tyr Leu Gln Leu Pro Gln Glu Asp Glu Glu
245 250 255

Asp Val Gln Met Glu Gln Val Met Thr Asp Ser Gly Phe Arg Glu Gly
260 265 270

Ala Leu Arg Gly Thr Phe His Gly Ala Arg Pro Gly Gly Gly Ala Ser

Parameter	Unit	Value	Standard Error	t-Statistic	p-Value	95% Confidence Interval
Intercept		1.000	0.000	1.000	0.000	1.000
Age	Years	0.000	0.000	0.000	0.000	0.000
Gender		0.000	0.000	0.000	0.000	0.000
Marital Status		0.000	0.000	0.000	0.000	0.000
Education	Years	0.000	0.000	0.000	0.000	0.000
Income	\$/Year	0.000	0.000	0.000	0.000	0.000
Health		0.000	0.000	0.000	0.000	0.000
Smoking		0.000	0.000	0.000	0.000	0.000
Alcohol		0.000	0.000	0.000	0.000	0.000
Exercise		0.000	0.000	0.000	0.000	0.000
Stress		0.000	0.000	0.000	0.000	0.000
Depression		0.000	0.000	0.000	0.000	0.000
Loneliness		0.000	0.000	0.000	0.000	0.000
Life Satisfaction		0.000	0.000	0.000	0.000	0.000
Resilience		0.000	0.000	0.000	0.000	0.000
Optimism		0.000	0.000	0.000	0.000	0.000
Gratitude		0.000	0.000	0.000	0.000	0.000
Forgiveness		0.000	0.000	0.000	0.000	0.000
Compassion		0.000	0.000	0.000	0.000	0.000
Kindness		0.000	0.000	0.000	0.000	0.000
Generosity		0.000	0.000	0.000	0.000	0.000
Patience		0.000	0.000	0.000	0.000	0.000
Humility		0.000	0.000	0.000	0.000	0.000
Modesty		0.000	0.000	0.000	0.000	0.000
Selflessness		0.000	0.000	0.000	0.000	0.000
Altruism		0.000	0.000	0.000	0.000	0.000
Empathy		0.000	0.000	0.000	0.000	0.000
Empowerment		0.000	0.000	0.000	0.000	0.000
Participation		0.000	0.000	0.000	0.000	0.000
Engagement		0.000	0.000	0.000	0.000	0.000
Commitment		0.000	0.000	0.000	0.000	0.000
Responsibility		0.000	0.000	0.000	0.000	0.000
Accountability		0.000	0.000	0.000	0.000	0.000
Integrity		0.000	0.000	0.000	0.000	0.000
Honesty		0.000	0.000	0.000	0.000	0.000
Transparency		0.000	0.000	0.000	0.000	0.000
Openness		0.000	0.000	0.000	0.000	0.000
Communication		0.000	0.000	0.000	0.000	0.000
Collaboration		0.000	0.000	0.000	0.000	0.000
Teamwork		0.000	0.000	0.000	0.000	0.000
Leadership		0.000	0.000	0.000	0.000	0.000
Influence		0.000	0.000	0.000	0.000	0.000
Power		0.000	0.000	0.000	0.000	0.000
Authority		0.000	0.000	0.000	0.000	0.000
Control		0.000	0.000	0.000	0.000	0.000
Ownership		0.000	0.000	0.000	0.000	0.000
Stewardship		0.000	0.000	0.000	0.000	0.000
Trust		0.000	0.000	0.000	0.000	0.000
Confidence		0.000	0.000	0.000	0.000	0.000
Respect		0.000	0.000	0.000	0.000	0.000
Dignity		0.000	0.000	0.000	0.000	0.000
Honor		0.000	0.000	0.000	0.000	0.000
Reputation		0.000	0.000	0.000	0.000	0.000
Image		0.000	0.000	0.		

<400> 60

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0	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99

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<400> 61
Met Thr Gly Gly Phe Leu Ser Cys Ile Leu Gly Leu Val Leu Pro Leu
  1                               10                      15

Ala Tyr Xaa Ser Ser Leu Thr Trp Cys Trp Trp Arg Trp Gly Leu Pro
      20                               25                      30

Xaa Pro Ala Gly Pro Pro Arg Cys Thr Pro Gly Cys Asn Ala Ser Gly
      35                               40                      45

Ala Gly Arg Gly Pro Ser Pro Gly Pro Pro Gly Gly Glu Leu His Thr
  50                               55                      60

Pro Ala Ser Arg Asp Pro Gly Pro Gly Ala Glu Trp Arg Gly Thr Ser
  65                               70                      75                      80

Xaa

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<210> 62
<211> 104
<212> PRT
<213> Homo sapiens
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<400> 62
Met Ala Ala Pro Val Asp Leu Glu Leu Lys Lys Ala Phe Thr Glu Leu
  1             5             10             15
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Gln Ala Lys Val Ile Asp Thr Gln Gln Lys Val Lys Leu Ala Asp Ile
 20 25 30
 Gln Ile Glu Gln Leu Asn Arg Thr Lys Lys His Ala His Leu Thr Asp
 35 40 45
 Thr Glu Ile Met Thr Leu Val Asp Glu Thr Asn Met Tyr Glu Gly Val
 50 55 60
 Gly Arg Met Phe Ile Leu Gln Ser Lys Glu Ala Ile His Ser Gln Leu
 65 70 75 80
 Leu Glu Lys Gln Lys Ile Ala Glu Glu Lys Ile Lys Glu Leu Glu Gln
 85 90 95
 Lys Lys Ser Tyr Leu Glu Arg Arg
 100

<210> 63
 <211> 146
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (146)
 <223> Xaa equals stop translation

<400> 63
 Met Pro Ser Gly Phe Gln Thr Cys Leu Leu Phe Thr Leu Ser Pro Phe
 1 5 10 15
 Ser Leu Ser Lys Ile Val Gly Val Pro Ser Gln Gln Leu Pro Gly Gln
 20 25 30
 Leu Ser Glu Gln Gly Gly Leu Cys Gly His Glu Gly Glu Pro Ala Arg
 35 40 45
 Thr Val Pro Glu Thr Gln Leu Pro Leu Pro Phe Asn Ser Ala Gly Pro
 50 55 60
 Pro His Leu Lys Cys Thr Gly Ala Gly Lys Arg Val Trp Ser Pro Pro
 65 70 75 80
 Arg Arg Ala Ala Gln Glu Val Ser Leu Gln Leu Val Ser Cys His Pro
 85 90 95
 Cys Arg Gln His Thr Ser Arg Ala Phe Ser Leu Ala Thr Asp Arg Thr
 100 105 110
 Ala Ser Ala Arg Val Cys Cys Arg Ser Pro Leu Ser Thr Leu Ile His
 115 120 125
 His Thr Arg Gly Gly Gln Arg Cys Arg Glu His Gly Leu Ser Leu Pro
 130 135 140

CCCTTATTGTTG

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<400> 65
Met Asp Pro Gln Gly Gln Thr Leu Leu Leu Phe Leu Phe Val Asp Phe
  1             5             10             15

His Ser Ala Phe Pro Val Gln Gln Met Glu Ile Trp Gly Val Tyr Thr
      20             25             30

Leu Leu Thr Thr His Leu Asn Ala Ile Leu Val Glu Ser His Ser Val
      35             40             45

Val Gln Gly Ser Ile Gln Phe Thr Val Asp Lys Val Leu Glu Gln His
      50             55             60

His Gln Ala Ala Lys Ala Gln Gln Lys Leu Gln Ala Ser Leu Ser Val
  65             70             75             80

Ala Val Asn Ser Ile Met Ser Ile Leu Thr Gly Ser Thr Arg Ser Ser
      85             90             95

Phe Arg Lys Met Cys Leu Gln Thr Leu Gln Ala Ala Asp Thr Gln Glu
      100            105            110

Phe Arg Thr Lys Leu His Lys Val Phe Arg Glu Ile Thr Gln His Gln
      115            120            125

Phe Leu His His Cys Ser Cys Glu Val Lys Gln Leu Thr Leu Glu Lys

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130 135 140
 Lys Asp Ser Ala Gln Gly Thr Glu Asp Ala Pro Asp Asn Ser Ser Leu
 145 150 155 160
 Glu Leu Leu Ala Asp Thr Ser Gly Gln Ala Glu Asn Lys Arg Leu Lys
 165 170 175
 Arg Gly Ser Pro Arg Ile Glu Glu Met Arg Ala Leu Arg Ser Ala Arg
 180 185 190
 Ala Pro Ser Pro Ser Glu Ala Ala Pro Arg Arg Pro Glu Ala Thr Ala
 195 200 205
 Ala Pro Leu Thr Pro Arg Gly Arg Glu His Arg Glu Ala His Gly Arg
 210 215 220
 Ala Leu Ala Pro Gly Arg Ala Ser Leu Gly Ser Arg Leu Glu Asp Val
 225 230 235 240
 Leu Trp Leu Gln Glu Val Ser Asn Leu Ser Glu Trp Leu Ser Pro Ser
 245 250 255
 Pro Gly Pro Xaa
 260
 <210> 66
 <211> 339
 <212> PRT
 <213> Homo sapiens
 <400> 66
 Met Ala Ala Ala Cys Gly Pro Gly Ala Ala Gly Tyr Cys Leu Leu Leu
 1 5 10 15
 Gly Leu His Leu Phe Leu Leu Thr Ala Gly Pro Ala Leu Gly Trp Asn
 20 25 30
 Asp Pro Asp Arg Met Leu Leu Arg Asp Val Lys Ala Leu Thr Leu His
 35 40 45
 Tyr Asp Arg Tyr Thr Thr Ser Arg Arg Leu Asp Pro Ile Pro Gln Leu
 50 55 60
 Lys Cys Val Gly Gly Thr Ala Gly Cys Asp Ser Tyr Thr Pro Lys Val
 65 70 75 80
 Ile Gln Cys Gln Asn Lys Gly Trp Asp Gly Tyr Asp Val Gln Trp Glu
 85 90 95
 Cys Lys Thr Asp Leu Asp Ile Ala Tyr Lys Phe Gly Lys Thr Val Val
 100 105 110
 Ser Cys Glu Gly Tyr Glu Ser Ser Glu Asp Gln Tyr Val Leu Arg Gly
 115 120 125
 Ser Cys Gly Leu Glu Tyr Asn Leu Asp Tyr Thr Glu Leu Gly Leu Gln

130 135 140
 Lys Asp Ser Ala Gln Gly Thr Glu Asp Ala Pro Asp Asn Ser Ser Leu
 145 150 155 160
 Glu Leu Leu Ala Asp Thr Ser Gly Gln Ala Glu Asn Lys Arg Leu Lys
 165 170 175
 Arg Gly Ser Pro Arg Ile Glu Glu Met Arg Ala Leu Arg Ser Ala Arg
 180 185 190
 Ala Pro Ser Pro Ser Glu Ala Ala Pro Arg Arg Pro Glu Ala Thr Ala
 195 200 205
 Ala Pro Leu Thr Pro Arg Gly Arg Glu His Arg Glu Ala His Gly Arg
 210 215 220
 Ala Leu Ala Pro Gly Arg Ala Ser Leu Gly Ser Arg Leu Glu Asp Val
 225 230 235 240
 Leu Trp Leu Gln Glu Val Ser Asn Leu Ser Glu Trp Leu Ser Pro Ser
 245 250 255
 Pro Gly Pro Xaa
 260
 <210> 66
 <211> 339
 <212> PRT
 <213> Homo sapiens
 <400> 66
 Met Ala Ala Ala Cys Gly Pro Gly Ala Ala Gly Tyr Cys Leu Leu Leu
 1 5 10 15
 Gly Leu His Leu Phe Leu Leu Thr Ala Gly Pro Ala Leu Gly Trp Asn
 20 25 30
 Asp Pro Asp Arg Met Leu Leu Arg Asp Val Lys Ala Leu Thr Leu His
 35 40 45
 Tyr Asp Arg Tyr Thr Thr Ser Arg Arg Leu Asp Pro Ile Pro Gln Leu
 50 55 60
 Lys Cys Val Gly Gly Thr Ala Gly Cys Asp Ser Tyr Thr Pro Lys Val
 65 70 75 80
 Ile Gln Cys Gln Asn Lys Gly Trp Asp Gly Tyr Asp Val Gln Trp Glu
 85 90 95
 Cys Lys Thr Asp Leu Asp Ile Ala Tyr Lys Phe Gly Lys Thr Val Val
 100 105 110
 Ser Cys Glu Gly Tyr Glu Ser Ser Glu Asp Gln Tyr Val Leu Arg Gly
 115 120 125
 Ser Cys Gly Leu Glu Tyr Asn Leu Asp Tyr Thr Glu Leu Gly Leu Gln

130 135 140
 Lys Leu Lys Glu Ser Gly Lys Gln His Gly Phe Ala Ser Phe Ser Asp
 145 150 155 160
 Tyr Tyr Tyr Lys Trp Ser Ser Ala Asp Ser Cys Asn Met Ser Gly Leu
 165 170 175
 Ile Thr Ile Val Val Leu Leu Gly Ile Ala Phe Val Val Tyr Lys Leu
 180 185 190
 Phe Leu Ser Asp Gly Gln Tyr Ser Pro Pro Pro Tyr Ser Glu Tyr Pro
 195 200 205
 Pro Phe Ser His Arg Tyr Gln Arg Phe Thr Asn Ser Ala Gly Pro Pro
 210 215 220
 Pro Pro Gly Phe Lys Ser Glu Phe Thr Gly Pro Gln Asn Thr Gly His
 225 230 235 240
 Gly Ala Thr Ser Gly Phe Gly Ser Ala Phe Thr Gly Gln Gln Gly Tyr
 245 250 255
 Glu Asn Ser Gly Pro Gly Phe Trp Thr Gly Leu Gly Thr Gly Gly Ile
 260 265 270
 Leu Gly Tyr Leu Phe Gly Ser Asn Arg Ala Ala Thr Pro Phe Ser Asp
 275 280 285
 Ser Trp Tyr Tyr Pro Ser Tyr Pro Pro Ser Tyr Pro Gly Thr Trp Asn
 290 295 300
 Arg Ala Tyr Ser Pro Leu His Gly Gly Ser Gly Ser Tyr Ser Val Cys
 305 310 315 320
 Ser Asn Ser Asp Thr Lys Thr Arg Thr Ala Ser Gly Tyr Gly Gly Thr
 325 330 335
 Arg Arg Arg

<210> 67
 <211> 27
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (27)
 <223> Xaa equals stop translation

<400> 67
 Met His Ala Leu Ile Leu Gln Phe Ile Phe Ser Leu Cys Met Tyr Ile
 1 5 10 15

Ser Leu Phe Ser Ala Ala Arg Phe Leu Phe Xaa
 20 25

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<210> 68
 <211> 76
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (64)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (65)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 68
 Met Ser Gln Ser Val Ser Ser Ser Phe Leu Ile Leu Thr Leu Leu Leu
 1 5 10 15
 Ser Val Gly Phe Gln Cys Leu Thr Leu Tyr Thr Thr Val Thr Thr Thr
 20 25 30
 Cys Leu Trp Gly Pro Pro Arg Ala Ala Gly Arg Leu Phe Val Gln Ser
 35 40 45
 Leu Pro Ser Cys Glu Cys Cys Cys Arg Ala Arg Arg Gly Ala Val Xaa
 50 55 60
 Xaa Ser Pro Pro Trp Arg Pro Trp Pro Glu Gln Val
 65 70 75

<210> 69
 <211> 216
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (216)
 <223> Xaa equals stop translation

<400> 69
 Met Tyr Leu Ser Ile Ile Phe Leu Ala Phe Val Ser Ile Asp Arg Cys
 1 5 10 15
 Leu Gln Leu Thr His Ser Cys Lys Ile Tyr Arg Ile Gln Glu Pro Gly
 20 25 30
 Phe Ala Lys Met Ile Ser Thr Val Val Trp Leu Met Val Leu Leu Ile
 35 40 45
 Met Val Pro Asn Met Met Ile Pro Ile Lys Asp Ile Lys Glu Lys Ser
 50 55 60
 Asn Val Gly Cys Met Glu Phe Lys Lys Glu Phe Gly Arg Asn Trp His

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<210> 70
<211> 407
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (407)
<223> Xaa equals stop translation

<400> 70
Met His Pro Ala Val Phe Leu Ser Leu Pro Asp Leu Arg Cys Ser Leu
  1                5                10                15

Leu Leu Leu Val Thr Trp Val Phe Thr Pro Val Thr Thr Glu Ile Thr
      20                25                30

Ser Leu Asp Thr Glu Asn Ile Asp Glu Ile Leu Asn Asn Ala Asp Val
      35                40                45

Ala Leu Val Asn Phe Tyr Ala Asp Trp Cys Arg Phe Ser Gln Met Leu
      50                55                60

His Pro Ile Phe Glu Glu Ala Ser Asp Val Ile Lys Glu Glu Phe Pro
      65                70                75                80

Asn Glu Asn Gln Val Val Phe Ala Arg Val Asp Cys Asp Gln His Ser
      85                90                95

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<400> 70
Met His Pro Ala Val Phe Leu Ser Leu Pro Asp Leu Arg Cys Ser Leu
  1          5          10          15

Leu Leu Leu Val Thr Trp Val Phe Thr Pro Val Thr Thr Glu Ile Thr
  20          25          30

Ser Leu Asp Thr Glu Asn Ile Asp Glu Ile Leu Asn Asn Ala Asp Val
  35          40          45

Ala Leu Val Asn Phe Tyr Ala Asp Trp Cys Arg Phe Ser Gln Met Leu
  50          55          60

His Pro Ile Phe Glu Glu Ala Ser Asp Val Ile Lys Glu Glu Phe Pro
  65          70          75          80

Asn Glu Asn Gln Val Val Phe Ala Arg Val Asp Cys Asp Gln His Ser
  85          90          95

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Asp Ile Ala Gln Arg Tyr Arg Ile Ser Lys Tyr Pro Thr Leu Lys Leu
 100 105 110
 Phe Arg Asn Gly Met Met Met Lys Arg Glu Tyr Arg Gly Gln Arg Ser
 115 120 125
 Val Lys Ala Leu Ala Asp Tyr Ile Arg Gln Gln Lys Ser Asp Pro Ile
 130 135 140
 Gln Glu Ile Arg Asp Leu Ala Glu Ile Thr Thr Leu Asp Arg Ser Lys
 145 150 155 160
 Arg Asn Ile Ile Gly Tyr Phe Glu Gln Lys Asp Ser Asp Asn Tyr Arg
 165 170 175
 Val Phe Glu Arg Val Ala Asn Ile Leu His Asp Asp Cys Ala Phe Leu
 180 185 190
 Ser Ala Phe Gly Asp Val Ser Lys Pro Glu Arg Tyr Ser Gly Asp Asn
 195 200 205
 Ile Ile Tyr Lys Pro Pro Gly His Ser Ala Pro Asp Met Val Tyr Leu
 210 215 220
 Gly Ala Met Thr Asn Phe Asp Val Thr Tyr Asn Trp Ile Gln Asp Lys
 225 230 235 240
 Cys Val Pro Leu Val Arg Glu Ile Thr Phe Glu Asn Gly Glu Glu Leu
 245 250 255
 Thr Glu Glu Gly Leu Pro Phe Leu Ile Leu Phe His Met Lys Glu Asp
 260 265 270
 Thr Glu Ser Leu Glu Ile Phe Gln Asn Glu Val Ala Arg Gln Leu Ile
 275 280 285
 Ser Glu Lys Gly Thr Ile Asn Phe Leu His Ala Asp Cys Asp Lys Phe
 290 295 300
 Arg His Pro Leu Leu His Ile Gln Lys Thr Pro Ala Asp Cys Pro Val
 305 310 315 320
 Ile Ala Ile Asp Ser Phe Arg His Met Tyr Val Phe Gly Asp Phe Lys
 325 330 335
 Asp Val Leu Ile Pro Gly Lys Leu Lys Gln Phe Val Phe Asp Leu His
 340 345 350
 Ser Gly Lys Leu His Arg Glu Phe His His Gly Pro Asp Pro Thr Asp
 355 360 365
 Thr Ala Pro Gly Glu Gln Ala Gln Asp Val Ala Ser Ser Pro Pro Glu
 370 375 380
 Ser Ser Phe Gln Lys Leu Ala Pro Ser Glu Tyr Arg Tyr Thr Leu Leu
 385 390 395 400

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Ala Phe Gln Pro Phe Pro Leu Ser Phe Ala Leu Ile Phe
35 40 45

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<210> 72
<211> 34
<212> PRT
<213> Homo sapiens
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<220>  
<221> SITE  
<222> (34)  
<223> Xaa equals stop translation
```

<400> 72
Met Pro Leu Lys Ala Val Thr Trp Pro Thr Leu Asn Ser Lys Leu Val
1 5 10 15

Ala Ala Val Val Asn Leu Lys Ala Ser Gln Met Pro Ala Ser Ser Arg
20 25 30

Val Xaa

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<210> 73
<211> 160
<212> PRT
<213> Homo sapiens
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<220>  
<221> SITE  
<222> (55)  
<223> Xaa equals any of the naturally occurring L-amino acids
```

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<400> 73
Met Ala Pro Leu Ile  Pro Ala Val Ala Arg Gly Ser Ser Phe Leu Leu
  1              5              10              15
```

Leu His Ala Leu Thr Leu Trp Gly Ala Pro Phe Pro Thr Thr Trp Val
20 25 30

[illegible]

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<210> 74
<211> 26
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (17)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (26)
<223> Xaa equals stop translation

<400> 74
Met Ala Gly Ile His Arg Ala Phe Leu Val Phe Cys Leu Trp Gly Leu
  1             5             10             15
Xaa Leu Cys Val Val Gly Gly Pro Trp Xaa
      20             25

<210> 75
<211> 91
<212> PRT
<213> Homo sapiens

<400> 75
Met Ala Ala Ala Glu Glu Glu Asp Gly Gly Pro Glu Ala Lys Ile Ala

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<210> 76
<211> 33
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (33)
<223> Xaa equals stop translation

<400> 76
Met Thr Ile Trp Gln Leu Phe Ala Val Leu Ile Val Leu Phe Ala Lys
 1             5             10             15
Ser Arg Glu Ile Ser Thr Glu Gly Glu Pro Cys Val Leu Ser Lys Asn
          20             25             30
Xaa

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<210> 77
<211> 23
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (6)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (23)
<223> Xaa equals stop translation

<400> 77
Met Leu Asn Pro Phe Xaa Gln Leu Leu Leu Val Leu Leu Phe Pro Glu
  1               5               10               15

```

Ala Leu Thr Ser Asp Thr Gly Cys Asp Arg Leu Val Arg Ser Arg Asp

[illegible]

Asp Glu Asp Leu Phe Leu Gln Leu Thr Gly Gly His Glu Ala Phe Xaa
195 200 205

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<220>
<221> SITE
<222> (95)
<223> Xaa equals any of the naturally occurring L-amino acids
```

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<220>
<221> SITE
<222> (100)
<223> Xaa equals any of the naturally occurring L-amino acids
```

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<220>
<221> SITE
<222> (146)
<223> Xaa equals stop translation
```

```
<400> 80
Met Pro Ser Gly Phe Gln Thr Cys Leu Leu Phe Thr Leu Ser Pro Phe
   1                   5                10               15
```

Ser Leu Ser Lys Ile Val Gly Val Pro Ser Gln Gln Leu Pro Gly Gln
20 25 30

Leu Ser Glu Gln Gly Gly Leu Cys Gly His Glu Gly Glu Pro Ala Arg
35 40 45

Thr Val Pro Glu Thr Gln Leu Pro Leu Pro Phe Asn Ser Ala Gly Pro
50 55 60

Pro His Leu Lys Cys Thr Gly Ala Gly Lys Arg Val Trp Ser Pro Pro
65 70 75 80

Arg Arg Ala Ala Gln Glu Val Ser Leu Gln Leu Val Ser Cys Xaa Pro
85 90 95

Cys Arg Gln Xaa Thr Ser Arg Ala Phe Ser Leu Ala Thr Asp Arg Thr
100 105 110

Ala Ser Ala Arg Val Cys Cys Arg Phe Pro Phe Lys His Thr His Ser
115 120 125

Pro His Pro Arg Arg Pro Glu Val Gln Gly Ala Trp Ala Val Val Pro

[illegible]

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130
135
140
Leu Xaa
145

<210> 81
<211> 23
<212> PRT
<213> Homo sapiens.

<220>
<221> SITE
<222> (23)
<223> Xaa equals stop translation

<400> 81
Met Ala Ala Ala Cys Gly Pro Gly Ala Ala Gly Thr Ala Cys Ser Ser
  1          5          10          15

Ala Cys Ile Cys Phe Cys Xaa
      20

<210> 82
<211> 31
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (21)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (31)
<223> Xaa equals stop translation

<400> 82
Met Lys Thr Leu Phe Leu Gly Val Thr Leu Gly Leu Ala Leu Pro Cys
  1          5          10          15

Pro Ser Pro Trp Xaa Arg Arg Ile Ser Gln Gly Pro Gly Thr Xaa
      20          25          30

<210> 83
<211> 374
<212> PRT
<213> Homo sapiens

<400> 83
Met Ser Val Pro Ala Phe Ile Asp Ile Ser Glu Glu Asp Gln Ala Ala
  1          5          10          15

Glu Leu Arg Ala Tyr Leu Lys Ser Lys Gly Ala Glu Ile Ser Glu Glu
      20          25          30

```

Asn	Ser	Glu	Gly	Gly	Leu	His	Val	Asp	Leu	Ala	Gln	Ile	Ile	Glu	Ala
		35					40					45			
Cys	Asp	Val	Cys	Leu	Lys	Glu	Asp	Asp	Lys	Asp	Val	Glu	Ser	Val	Met
	50					55					60				
Asn	Ser	Val	Val	Ser	Leu	Leu	Leu	Ile	Leu	Glu	Pro	Asp	Lys	Gln	Glu
	65				70					75					80
Ala	Leu	Ile	Glu	Ser	Leu	Cys	Glu	Lys	Leu	Val	Lys	Phe	Arg	Glu	Gly
				85					90					95	
Glu	Arg	Pro	Ser	Leu	Arg	Leu	Gln	Leu	Leu	Ser	Asn	Leu	Phe	His	Gly
			100					105					110		
Met	Asp	Lys	Asn	Thr	Pro	Val	Arg	Tyr	Thr	Val	Tyr	Cys	Ser	Leu	Ile
		115					120					125			
Lys	Val	Ala	Ala	Ser	Cys	Gly	Ala	Ile	Gln	Tyr	Ile	Pro	Thr	Glu	Leu
		130				135					140				
Asp	Gln	Val	Arg	Lys	Trp	Ile	Ser	Asp	Trp	Asn	Leu	Thr	Thr	Glu	Lys
	145				150					155					160
Lys	His	Thr	Leu	Leu	Arg	Leu	Leu	Tyr	Glu	Ala	Leu	Val	Asp	Cys	Lys
			165						170					175	
Lys	Ser	Asp	Ala	Ala	Ser	Lys	Val	Met	Val	Glu	Leu	Leu	Gly	Ser	Tyr
			180					185					190		
Thr	Glu	Asp	Asn	Ala	Ser	Gln	Ala	Arg	Val	Asp	Ala	His	Arg	Cys	Ile
		195					200					205			
Val	Arg	Ala	Leu	Lys	Asp	Pro	Asn	Ala	Phe	Leu	Phe	Asp	His	Leu	Leu
		210				215					220				
Thr	Leu	Lys	Pro	Val	Lys	Phe	Leu	Glu	Gly	Glu	Leu	Ile	His	Asp	Leu
	225				230					235					240
Leu	Thr	Ile	Phe	Val	Ser	Ala	Lys	Leu	Ala	Ser	Tyr	Val	Lys	Phe	Tyr
			245						250					255	
Gln	Asn	Asn	Lys	Asp	Phe	Ile	Asp	Ser	Leu	Gly	Leu	Leu	His	Glu	Gln
			260					265					270		
Asn	Met	Ala	Lys	Met	Arg	Leu	Leu	Thr	Phe	Met	Gly	Met	Ala	Val	Glu
		275					280					285			
Asn	Lys	Glu	Ile	Ser	Phe	Asp	Thr	Met	Gln	Gln	Glu	Leu	Gln	Ile	Gly
		290				295					300				
Ala	Asp	Asp	Val	Glu	Ala	Phe	Val	Ile	Asp	Ala	Val	Arg	Thr	Lys	Met
					310					315					320
Val	Tyr	Cys	Lys	Ile	Asp	Gln	Thr	Gln	Arg	Lys	Val	Val	Val	Ser	His
				325					330					335	

<212> PRT
 <213> Homo sapiens

<400> 88
 Val Ala Arg Pro Ser Ser Leu Phe Arg Ser Ala Trp Ser Cys Glu Trp
 1 5 10 15

<210> 89
 <211> 12
 <212> PRT
 <213> Homo sapiens

<400> 89
 Leu Arg Leu Gln Leu Leu Ser Asn Leu Phe His Gly
 1 5 10

<210> 90
 <211> 17
 <212> PRT
 <213> Homo sapiens

<400> 90
 Lys Asp Val Glu Ser Val Met Asn Ser Val Val Ser Leu Leu Leu Ile
 1 5 10 15

Leu

<210> 91
 <211> 26
 <212> PRT
 <213> Homo sapiens

<400> 91
 Asp Ala Ala Ser Lys Val Met Val Glu Leu Leu Gly Ser Tyr Thr Glu
 1 5 10 15

Asp Asn Ala Ser Gln Ala Arg Val Asp Ala
 20 25

<210> 92
 <211> 10
 <212> PRT
 <213> Homo sapiens

<400> 92
 Val Glu Ala Phe Val Ile Asp Ala Val Arg
 1 5 10

<210> 93

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<400> 93

Ile Ser

<400> 94

Gln Ala Asn Leu
195

<210> 95
 <211> 20
 <212> PRT
 <213> Homo sapiens

<400> 95
 Met Glu Ala Val Pro Glu Gly Asp Trp Phe Cys Thr Val Cys Leu Ala
 1 5 10 15

Gln Gln Val Glu
 20

<210> 96
 <211> 21
 <212> PRT
 <213> Homo sapiens

<400> 96
 Gly Glu Phe Thr Gln Lys Pro Gly Phe Pro Lys Arg Gly Gln Lys Arg
 1 5 10 15

Lys Ser Gly Tyr Ser
 20

<210> 97
 <211> 21
 <212> PRT
 <213> Homo sapiens

<400> 97
 Leu Asn Phe Ser Glu Gly Asp Gly Arg Arg Arg Arg Val Leu Leu Arg
 1 5 10 15

Gly Arg Glu Ser Pro
 20

<210> 98
 <211> 20
 <212> PRT
 <213> Homo sapiens

<400> 98
 Ala Ala Gly Pro Arg Tyr Ser Glu Glu Gly Leu Ser Pro Ser Lys Arg
 1 5 10 15

Arg Arg Leu Ser
 20

<210> 99
 <211> 21
 <212> PRT
 <213> Homo sapiens

<400> 99

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Glu Met Glu Ser His
20

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<210> 100
<211> 20
<212> PRT
<213> Homo sapiens
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<400> 100
Asp Ala Ala Trp Pro Phe Leu Glu Pro Val Asn Pro Arg Leu Val Ser
  1             5             10             15
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Gly Tyr Arg Arg
20

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<210> 101
<211> 21
<212> PRT
<213> Homo sapiens
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<400> 101
Ile Ile Lys Asn Pro Met Asp Phe Ser Thr Met Arg Glu Arg Leu Leu
  1                      5                      10                      15
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Arg Gly Gly Tyr Thr
20

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<210> 102
<211> 21
<212> PRT
<213> Homo sapiens
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<400> 102
Ser Ser Glu Glu Phe Ala Ala Asp Ala Leu Leu Val Phe Asp Asn Cys
1 5 10 15

Gln Thr Phe Asn Glu
20

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<210> 103
<211> 17
<212> PRT
<213> Homo sapiens
```

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<400> 103
Asp Asp Ser Glu Val Gly Lys Ala Gly His Ile Met Arg Arg Phe Phe
  1                      5              10              15
```

Glu

[illegible]

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<400> 104
Ser Arg Trp Glu Glu Phe Tyr Gln Gly Lys Gln Ala Asn Leu
  1                   5                   10
```

```
<400> 105
Met Ser Glu Ile Tyr Leu Arg Cys Gln Asp Glu Gln Gln Tyr Ala Arg
  1             5             10             15
```

Ser Ser Tyr
35

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<400> 106
Leu Val Ala Pro Arg Phe Gln Arg Lys Phe Lys Ala Lys Gln Leu Thr
  1             5             10             15
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Glu Ala Gln Leu Arg Phe Ile Gln Ala Trp Gln Ser Leu
35 40 45

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<400> 107
Val Gly Asp Val Val Lys Thr Trp Arg Phe Ser Asn Met Arg Gln Trp
  1             5             10             15
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<210> 108
<211> 26
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<212> PRT
<213> Homo sapiens

<400> 108
Glu Glu Ile Asp Cys Thr Glu Glu Glu Met Met Val Phe Ala Ala Leu
1 5 10 15

Gln Tyr His Ile Asn Lys Leu Ser Gln Ser
20 25

<210> 109
<211> 26
<212> PRT
<213> Homo sapiens

<400> 109
Glu Glu Ile Asp Cys Thr Glu Glu Glu Met Met Val Phe Ala Ala Leu
1 5 10 15

Gln Tyr His Ile Asn Lys Leu Ser Gln Ser
20 25

<210> 110
<211> 26
<212> PRT
<213> Homo sapiens

<400> 110
Lys Glu Leu Ser Phe Ala Arg Ile Lys Ala Val Glu Cys Val Glu Ser
1 5 10 15

Thr Gly Arg His Ile Tyr Phe Thr Leu Val
20 25

<210> 111
<211> 17
<212> PRT
<213> Homo sapiens

<400> 111
Gly Trp Asn Ala Gln Ile Thr Leu Gly Leu Val Lys Phe Lys Asn Gln
1 5 10 15

Gln

<210> 112
<211> 217
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (82)

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$\langle 220 \rangle$

<222> (83)

 $\langle 220 \rangle$ $\langle 222 \rangle \quad (123)$ $\langle 220 \rangle$

<222> (194)

 $\langle 400 \rangle$ 112

Ala Ala Pro Ala Ala Cys Gln Leu Leu

215

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<400> 113
Met Val Thr Thr Ile Val Leu Gly Arg Arg Phe Ile Gly Ser Ile Val
  1             5             10             15

Lys Glu Ala Ser Gln Arg Gly Lys Val Ser
      20             25

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<400> 114
Leu Phe Arg Ser Ile Leu Leu Phe Leu Thr Arg Phe Thr Val Leu Thr
  1             5             10             15
Ala Thr Gly Trp Ser Leu Cys
          20

```

```

<400> 115
Arg Ser Leu Ile His Leu Phe Arg Thr Tyr Ser Phe Leu Asn Leu Leu
 1          5          10          15

Phe Leu Cys Tyr Pro Phe Gly Met Tyr Ile Pro Phe Leu Gln
      20          25          30

```

```

<220>
<221> SITE
<222> (3)
<223> Xaa equals any of the naturally occurring L-amino acids

```

```

<220>
<221> SITE
<222> (4)
<223> Xaa equals any of the naturally occurring L-amino acids

```

<400> 116

[illegible]

$$\begin{array}{ll} \langle 210 \rangle & 120 \\ \langle 211 \rangle & 20 \end{array}$$

<210>	124
<211>	17
<212>	PRT

[illegible]

Val

<213> Homo sapiens

Ile Pro Met Gln Val Leu Ala Asn Val Ala Tyr Ile Ile
1 5 10

<213> Homo sapiens

Ile Pro Met Gln Val Leu Ala Asn Val Ala Tyr Ile Ile
1 5 10

<213> Homo sapiens

Asp Gly Lys Val Ala Val Asn Leu Ala Lys Leu Lys Leu Phe Arg
1 5 10 15

<213> Homo sapiens

Ile Arg Glu Lys Asn Pro Asp Gly Phe Leu Ser Ala Ala
1 5 10

<213> Homo sapiens

Met Met Phe Gly Gly Tyr Glu Thr Ile
1 5


```

<400> 130
Tyr Arg Asp Glu Ser Ser Ser Glu Leu Ser Val Asp Ser Glu Val Glu
 1          5          10          15
Phe Gln Leu Tyr Ser Gln Ile His
          20

```

```

<400> 131
Tyr Ala Gln Asp Leu Asp Asp Val Ile Arg Glu Glu Glu His Glu Glu
  1             5             10             15

Lys Asn Ser Gly Asn Ser Glu Ser Ser Ser Ser Lys Pro Asn Gln Lys
      20             25             30

Lys Leu Ile Val Leu Ser Asp Ser Glu Val Ile Gln Leu Ser Asp Gly
      35             40             45

Ser Glu Val Ile Thr Leu Ser Asp Glu Asp Ser Ile Tyr Arg Cys Lys
      50             55             60

Gly Lys Asn Val Arg Val Gln Ala Gln Glu Asn Ala His Gly Leu Ser
  65             70             75             80

Ser Ser Leu Gln Ser Asn Glu Leu Val Asp Lys Lys Cys Lys Ser Asp
      85             90             95

Ile Glu Lys Pro Lys Ser Glu Glu Arg Ser Gly Val Ile Arg Glu Val
      100            105            110

Met Ile Ile Glu Val Ser Ser Ser Glu Glu Glu Glu Ser Thr Ile Ser
      115            120            125

Glu Gly Asp Asn Val Glu Ser Trp
  130            135

```

```
<400> 132
Met Leu Leu Gly Cys Glu Val Asp Asp Lys Asp Asp Asp Ile Leu Leu
  1             5             10             15
```

Asn Leu Val Gly Cys Glu Asn Ser Val Thr Glu Gly Glu Asp Gly Ile
 20 25 30

Asn Trp Ser Ile Ser
 35

<210> 133
 <211> 18
 <212> PRT
 <213> Homo sapiens

<400> 133
 Asp Lys Asp Ile Glu Ala Gln Ile Ala Asn Asn Arg Thr Pro Gly Arg
 1 5 10 15

Trp Thr

<210> 134
 <211> 31
 <212> PRT
 <213> Homo sapiens

<400> 134
 Gln Arg Tyr Tyr Ser Ala Asn Lys Asn Ile Ile Cys Arg Asn Cys Asp
 1 5 10 15

Lys Arg Gly His Leu Ser Lys Asn Cys Pro Leu Pro Arg Lys Val
 20 25 30

<210> 135
 <211> 179
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (120)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (139)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 135
 Arg Arg Cys Phe Leu Cys Ser Arg Arg Gly His Leu Leu Tyr Ser Cys
 1 5 10 15

Pro Ala Pro Leu Cys Glu Tyr Cys Pro Val Pro Lys Met Leu Asp His
 20 25 30

Ser Cys Leu Phe Arg His Ser Trp Asp Lys Gln Cys Asp Arg Cys His
 35 40 45

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Met Leu Gly His Tyr Thr Asp Ala Cys Thr Glu Ile Trp Arg Gln Tyr
 50 55 60

His Leu Thr Thr Lys Pro Gly Pro Pro Lys Lys Pro Lys Thr Pro Ser
 65 70 75 80

Arg Pro Ser Ala Leu Ala Tyr Cys Tyr His Cys Ala Gln Lys Gly His
 85 90 95

Tyr Gly His Glu Cys Pro Glu Arg Glu Val Tyr Asp Pro Ser Pro Val
 100 105 110

Ser Pro Phe Ile Cys Tyr Tyr Xaa Asp Lys Tyr Glu Ile Gln Glu Arg
 115 120 125

Glu Lys Arg Leu Lys Gln Lys Ile Lys Val Xaa Lys Lys Asn Gly Val
 130 135 140

Ile Pro Glu Pro Ser Lys Leu Pro Tyr Ile Lys Ala Ala Asn Glu Asn
 145 150 155 160

Pro His His Asp Ile Arg Lys Gly Arg Ala Ser Trp Lys Ser Asn Arg
 165 170 175

Trp Pro Gln

<210> 136
 <211> 416
 <212> PRT
 <213> Homo sapiens

<400> 136
 Met Ser Phe Pro Pro His Leu Asn Arg Pro Pro Met Gly Ile Pro Ala
 1 5 10 15

Leu Pro Pro Gly Ile Pro Pro Pro Gln Phe Pro Gly Phe Pro Pro Pro
 20 25 30

Val Pro Pro Gly Thr Pro Met Ile Pro Val Pro Met Ser Ile Met Ala
 35 40 45

Pro Ala Pro Thr Val Leu Val Pro Thr Val Ser Met Val Gly Lys His
 50 55 60

Leu Gly Ala Arg Lys Asp His Pro Gly Leu Lys Ala Lys Glu Asn Asp
 65 70 75 80

Glu Asn Cys Gly Pro Thr Thr Thr Val Phe Val Gly Asn Ile Ser Glu
 85 90 95

Lys Ala Ser Asp Met Leu Ile Arg Gln Leu Leu Ala Lys Cys Gly Leu
 100 105 110

Val Leu Ser Trp Lys Arg Val Gln Gly Ala Ser Gly Lys Leu Gln Ala
 115 120 125

660714-44463400

Phe	Gly	Phe	Cys	Glu	Tyr	Lys	Glu	Pro	Glu	Ser	Thr	Leu	Arg	Ala	Leu
130						135					140				
Arg	Leu	Leu	His	Asp	Leu	Gln	Ile	Gly	Glu	Lys	Lys	Leu	Leu	Val	Lys
145					150					155					160
Val	Asp	Ala	Lys	Thr	Lys	Ala	Gln	Leu	Asp	Glu	Trp	Lys	Ala	Lys	Lys
				165					170					175	
Lys	Ala	Ser	Asn	Gly	Asn	Ala	Arg	Pro	Glu	Thr	Val	Thr	Asn	Asp	Asp
			180					185					190		
Glu	Glu	Ala	Leu	Asp	Glu	Glu	Thr	Lys	Arg	Arg	Asp	Gln	Met	Ile	Lys
		195					200					205			
Gly	Ala	Ile	Glu	Val	Leu	Ile	Arg	Glu	Tyr	Ser	Ser	Glu	Leu	Asn	Ala
	210					215					220				
Pro	Ser	Gln	Glu	Ser	Asp	Ser	His	Pro	Arg	Lys	Lys	Lys	Lys	Glu	Lys
225					230					235					240
Lys	Glu	Asp	Ile	Phe	Arg	Arg	Phe	Pro	Val	Ala	Pro	Leu	Ile	Pro	Tyr
				245					250					255	
Pro	Leu	Ile	Thr	Lys	Glu	Asp	Ile	Asn	Ala	Ile	Glu	Met	Glu	Glu	Asp
			260					265					270		
Lys	Arg	Asp	Leu	Ile	Ser	Arg	Glu	Ile	Ser	Lys	Phe	Arg	Asp	Thr	His
		275					280					285			
Lys	Lys	Leu	Glu	Glu	Glu	Lys	Gly	Lys	Lys	Glu	Lys	Glu	Arg	Gln	Glu
	290					295					300				
Ile	Glu	Lys	Glu	Arg	Arg	Glu	Arg	Glu	Arg	Glu	Arg	Glu	Arg	Glu	Arg
305					310					315					320
Glu	Arg	Arg	Glu	Arg	Glu	Arg	Glu	Arg	Glu	Arg	Glu	Arg	Glu	Arg	Glu
				325					330					335	
Lys	Glu	Lys	Glu	Arg	Glu	Arg	Glu	Arg	Glu	Arg	Asp	Arg	Asp	Arg	Asp
			340					345					350		
Arg	Thr	Lys	Glu	Arg	Asp	Arg	Asp	Arg	Asp	Arg	Glu	Arg	Asp	Arg	Asp
		355					360					365			
Arg	Asp	Arg	Glu	Arg	Ser	Ser	Asp	Arg	Asn	Lys	Asp	Arg	Ile	Arg	Ser
	370					375					380				
Arg	Glu	Lys	Ser	Arg	Asp	Arg	Glu	Arg	Glu	Arg	Glu	Arg	Glu	Arg	Glu
385					390					395					400
Arg	Glu	Arg	Glu	Arg	Glu	Arg	Glu	Arg	Glu	Arg	Glu	Arg	Glu	Arg	Glu
				405					410					415	

[illegible]

<400> 140
Gln Gly Ala Ser Gly Lys Leu Gln Ala Phe Gly Phe Cys Glu Tyr Lys
1 5 10 15
Glu Pro Glu Ser Thr Leu Arg Ala Leu Arg Leu Leu His Asp Leu Gln

30

```
<210> 141
<211> 39
<212> PRT
<213> Homo sapiens
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Lys Lys Ala Ser Asn Gly Asn Ala Arg Pro Glu Thr Val Thr Asn Asp
20 25 30

```
<210> 142
<211> 40
<212> PRT
<213> Homo sapiens
```

Ile Arg Glu Tyr Ser Ser Glu Leu Asn Ala Pro Ser Gln Glu Ser Asp
20 25 30

```
<210> 143
<211> 44
<212> PRT
<213> Homo sapiens
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Pro Tyr Pro Leu Ile Thr Lys Glu Asp Ile Asn Ala Ile Glu Met Glu
20 25 30

```
<210> 144
<211> 41
<212> PRT
<213> Homo sapiens
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<400> 144

Lys Phe Arg Asp Thr His Lys Lys Leu Glu Glu Glu Lys Gly Lys Lys
 1 5 10 15

Glu Lys Glu Arg Gln Glu Ile Glu Lys Glu Arg Arg Glu Arg Glu Arg
 20 25 30

Glu Arg Glu Arg Glu Arg Glu Arg Arg
 35 40

<210> 145

<211> 93

<212> PRT

<213> Homo sapiens

<400> 145

Glu Arg Glu Arg Glu Arg Glu Arg Glu Arg Glu Arg Glu Lys Glu Lys
 1 5 10 15

Glu Arg Glu Arg Glu Arg Glu Arg Asp Arg Asp Arg Asp Arg Thr Lys
 20 25 30

Glu Arg Asp Arg Asp Arg Asp Arg Glu Arg Asp Arg Asp Arg Asp Arg
 35 40 45

Glu Arg Ser Ser Asp Arg Asn Lys Asp Arg Ile Arg Ser Arg Glu Lys
 50 55 60

Ser Arg Asp Arg Glu Arg Glu Arg Glu Arg Glu Arg Glu Arg Glu Arg
 65 70 75 80

Glu Arg Glu Arg Glu Arg Glu Arg Glu Arg Glu Arg Glu
 85 90

<210> 146

<211> 52

<212> PRT

<213> Homo sapiens

<400> 146

Arg Asp Arg Asp Arg Asp Arg Glu Arg Ser Ser Asp Arg Asn Lys Asp
 1 5 10 15

Arg Ile Arg Ser Arg Glu Lys Ser Arg Asp Arg Glu Arg Glu Arg Glu
 20 25 30

Arg Glu Arg Glu Arg Glu Arg Glu Arg Glu Arg Glu Arg Glu Arg Glu
 35 40 45

Arg Glu Arg Glu
 50

<210> 147

<211> 22

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Thr Leu Ser Phe Pro Pro Ala Cys Gly Leu Leu Val Pro Ser Pro Ser

50 55 60
 Leu Leu Pro Ala Val Ser Ser Tyr His Leu Pro Leu Gly Arg Gly Leu
 65 70 75 80
 Ile Arg Pro Ala Phe Lys Ile Lys Val Cys Ser Lys Leu Thr Val Trp
 85 90 95
 Cys Ser Leu Pro Ser Pro Ser Arg Trp Arg Cys Cys His Gly Asn Ala
 100 105 110
 Val Ala Leu Pro Ala Leu Gly Pro Trp Arg Xaa Trp Glu Gln Gly Ser
 115 120 125
 Ala Val Arg Ser Pro Ala Phe Pro Val Arg Gln Ala Trp Leu Pro Cys
 130 135 140
 Ser Gly Ser Leu Thr Ser Trp
 145 150

<210> 151
 <211> 64
 <212> PRT
 <213> Homo sapiens

<400> 151
 Asn Val Thr Lys Ile Thr Leu Glu Ser Phe Leu Ala Trp Lys Lys Arg
 1 5 10 15
 Lys Arg Gln Glu Lys Ile Asp Lys Leu Glu Gln Asp Met Glu Arg Arg
 20 25 30
 Lys Ala Asp Phe Lys Ala Gly Lys Ala Leu Val Ile Ser Gly Arg Glu
 35 40 45
 Val Phe Glu Phe Arg Pro Glu Leu Val Asn Asp Asp Asp Glu Glu Ala
 50 55 60

<210> 152
 <211> 22
 <212> PRT
 <213> Homo sapiens

<400> 152
 Glu Arg Arg Lys Ala Asp Phe Lys Ala Gly Lys Ala Leu Val Ile Ser
 1 5 10 15
 Gly Arg Glu Val Phe Glu
 20

<210> 153
 <211> 89

60
 50
 40
 30
 20
 10
 0

Gln Glu Arg Glu Asp Gly Ser Gln Gly Lys Ile Gly Ser Ser Ala
85 90 95

<210> 155
 <211> 125
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (30)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (115)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 155
 Thr Ser Val Leu Ser Ser Ser Ser Val Tyr Cys Met Gln Ala Arg Lys
 1 5 10 15
 Leu Ser Val Ser Gln Arg Tyr Arg Lys Gly Lys Glu Lys Xaa Ala Arg
 20 25 30
 Pro Ile Pro Gln Glu Arg Lys Gly Ser Asp Ala Glu Gly Ala Gly Ala
 35 40 45
 Glu Val Glu Thr Ala Thr Ala Ser Leu Thr Leu Cys Ser Ile Pro Leu
 50 55 60
 Leu Lys Lys Thr Arg Leu Ser Arg Val Gly Gln Thr Leu Phe Ile Gly
 65 70 75 80
 Leu Ala Gly Val Pro Ser Gly Lys Leu Arg Gln Ser Phe Leu Ser Cys
 85 90 95
 Pro Gly Ser His Leu Pro Ser Pro Gly Ser Ser Ser His Ile Pro Arg
 100 105 110
 Gly Lys Xaa Val Leu Gly Arg Gly Gly Ser Lys Ala Gly
 115 120 125

<210> 156
 <211> 125
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (13)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (97)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 156
 Ala Leu Val Lys Gly Thr Gly Arg Glu Lys Arg Arg Xaa Gln Gly Pro

[illegible]

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<210> 159
<211> 31
<212> PRT
<213> Homo sapiens
```


65

70

<210> 163

<211> 68

<212> PRT

<213> Homo sapiens

<400> 163

Ala	His	Ser	Phe	Thr	Thr	Pro	Glu	Glu	Ala	Arg	Gly	Ala	Gly	Ser	Met
1				5					10					15	

Gly	Cys	Arg	Phe	Pro	Phe	Lys	His	Thr	His	Ser	Pro	His	Pro	Arg	Arg
			20					25					30		

Pro	Glu	Val	Gln	Gly	Ala	Trp	Ala	Gly	Cys	Thr	Ser	Ala	Gly	Glu	Lys
		35					40						45		

Ala	Glu	Pro	Pro	Pro	Ser	Arg	Glu	Pro	Gly	Ser	Gln	Ala	Ser	Arg	Phe
	50					55					60				

Pro	Leu	Pro	Pro
65			

<210> 164

<211> 25

<212> PRT

<213> Homo sapiens

<400> 164

Gly	Trp	Gln	Asp	Thr	Ser	Cys	Arg	Asp	Thr	Ser	Cys	Ala	Ala	Leu	Arg
1				5					10					15	

Gly	Gly	Leu	Gln	Thr	Leu	Phe	Pro	Ala
		20					25	

<210> 165

<211> 24

<212> PRT

<213> Homo sapiens

<400> 165

Gly	Cys	Arg	Phe	Pro	Phe	Lys	His	Thr	His	Ser	Pro	His	Pro	Arg	Arg
1				5					10					15	

Pro	Glu	Val	Gln	Gly	Ala	Trp	Ala
			20				

<210> 166

<211> 81

<212> PRT

<213> Homo sapiens

<400> 166

Pro	His	Gln	Val	Glu	Gly	Arg	Leu	Gly	Thr	Met	Glu	Thr	Trp	Asp	Ser
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----

66077-1116360

[illegible]

```
<210> 167
<211> 81
<212> PRT
<213> Homo sapiens
```

```

<400> 167
Leu Val Thr Pro Pro Ser Gly Gly Glu Thr Gly Asp His Gly Asn Met
 1             5             10             15
Gly Gln Leu Pro Arg Arg Ala Leu Ala Leu Gln Asn Ser Thr Gln Gly
      20             25             30
Ile Leu Gly Pro Gly Ala Glu Leu Pro Val Ser Val Glu Lys Asp Lys
      35             40             45
Val His Gly Asp Pro Ala Ser Asn Ile Arg Met Ala Met Pro Gly Thr
      50             55             60
Arg Phe Pro Leu Cys Ser Cys Arg Ile Pro Cys Gln Pro Gly Gly Ile
 65             70             75             80
His

```

```
<210> 168
<211> 32
<212> PRT
<213> Homo sapiens
```

<400> 168
Glu Gly Leu Leu His Cys Arg Ile Pro Leu Lys Gly Ser Trp Val Gln
1 5 10 15
Glu Pro Ser Cys Gln Tyr Gln Trp Arg Arg Thr Arg Cys Met Gly Ile
20 25 30

<210> 169
 <211> 29
 <212> PRT
 <213> Homo sapiens

<400> 169
 Gln Asn Ser Thr Gln Gly Ile Leu Gly Pro Gly Ala Glu Leu Pro Val
 1 5 10 15
 Ser Val Glu Lys Asp Lys Val His Gly Asp Pro Ala Ser
 20 25

<210> 170
 <211> 42
 <212> PRT
 <213> Homo sapiens

<400> 170
 Phe Gly Thr Arg Lys Lys Tyr His Leu Cys Met Ile Pro Asn Leu Asp
 1 5 10 15
 Leu Asn Leu Asp Arg Asp Leu Val Leu Pro Asp Val Ser Tyr Gln Val
 20 25 30
 Glu Ser Ser Glu Glu Asp Gln Ser Gln Thr
 35 40

<210> 171
 <211> 115
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (88)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 171
 Phe Leu Leu Ser Leu Gly Ser Leu Val Met Leu Leu Gln Asp Leu Val
 1 5 10 15
 His Ser Glu Leu Asp Gly Thr Leu His Tyr Thr Val Ala Leu His Lys
 20 25 30
 Asp Gly Ile Glu Met Ser Cys Glu Gln Ser Ile Asp Ser Pro Asp Phe
 35 40 45
 His Leu Leu Asp Trp Lys Cys Thr Val Glu Ile His Lys Glu Lys Lys
 50 55 60
 Gln Gln Ser Leu Ser Leu Arg Ile His Ser Leu Arg Leu Ile Leu Leu
 65 70 75 80
 Thr Gly Phe His Leu Ile Thr Xaa Ile Trp Lys His Gln Ile Ser Ile
 85 90 95

Arg Ala Glu
115

```
<210> 172
<211> 26
<212> PRT
<213> Homo sapiens
```

```
<400> 172
Val His Ser Glu Leu Asp Gly Thr Leu His Tyr Thr Val Ala Leu His
  1             5             10             15
```

Lys Asp Gly Ile Glu Met Ser Cys Glu Gln
20 25

```
<210> 173
<211> 28
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (23)
<223> Xaa equals any of the naturally occurring L-amino acids
```

<400> 173
Gln Ser Leu Ser Leu Arg Ile His Ser Leu Arg Leu Ile Leu Leu Thr
1 5 10 15

Gly Phe His Leu Ile Thr Xaa Ile Trp Lys His Gln
20 25

```
<210> 174
<211> 340
<212> PRT
<213> Homo sapiens
```

```
<400> 174
Met Ala Ala Ala Cys Gly Pro Gly Ala Ala Gly Thr Ala Cys Ser Ser
  1             5             10             15
```

Ala Cys Ile Cys Phe Cys Asp Arg Gly Pro Cys Leu Gly Trp Asn Asp
20 25 30

Pro Asp Arg Met Leu Leu Arg Asp Val Lys Ala Leu Thr Leu His Tyr
35 40 45

Asp Arg Tyr Thr Thr Ser Arg Ser Trp Ile Pro Ser His Ser Pro Gln
50 55 60

Leu Lys Cys Val Gly Gly Thr Ala Gly Cys Asp Ser Tyr Thr Pro Lys

[illegible]

65					70					75				80	
Val	Ile	Gln	Cys	Gln	Asn	Lys	Gly	Trp	Asp	Gly	Tyr	Asp	Val	Gln	Trp
				85					90					95	
Glu	Cys	Lys	Thr	Asp	Leu	Asp	Ile	Ala	Tyr	Lys	Phe	Gly	Lys	Thr	Val
			100					105					110		
Val	Ser	Cys	Glu	Gly	Tyr	Glu	Ser	Ser	Glu	Asp	Gln	Tyr	Val	Leu	Arg
		115					120					125			
Gly	Ser	Cys	Gly	Leu	Glu	Tyr	Asn	Leu	Asp	Tyr	Thr	Glu	Leu	Gly	Leu
	130					135					140				
Gln	Lys	Leu	Lys	Glu	Ser	Gly	Lys	Gln	His	Gly	Phe	Ala	Ser	Phe	Ser
145					150					155					160
Asp	Tyr	Tyr	Tyr	Lys	Trp	Ser	Ser	Ala	Asp	Ser	Cys	Asn	Met	Ser	Gly
				165					170					175	
Leu	Ile	Thr	Ile	Val	Val	Leu	Leu	Gly	Ile	Ala	Phe	Val	Val	Tyr	Lys
			180					185					190		
Leu	Phe	Leu	Ser	Asp	Gly	Gln	Tyr	Ser	Pro	Pro	Pro	Tyr	Ser	Glu	Tyr
		195					200					205			
Pro	Pro	Phe	Ser	His	Arg	Tyr	Gln	Arg	Phe	Thr	Asn	Ser	Ala	Gly	Pro
	210					215					220				
Pro	Pro	Pro	Gly	Phe	Lys	Ser	Glu	Phe	Thr	Gly	Pro	Gln	Asn	Thr	Gly
225					230					235					240
His	Gly	Ala	Thr	Ser	Gly	Phe	Gly	Ser	Ala	Phe	Thr	Gly	Gln	Gln	Gly
				245					250					255	
Tyr	Glu	Asn	Ser	Gly	Pro	Gly	Phe	Trp	Thr	Gly	Leu	Gly	Thr	Gly	Gly
			260					265					270		
Ile	Leu	Gly	Tyr	Leu	Phe	Gly	Ser	Asn	Arg	Ala	Ala	Thr	Pro	Phe	Ser
		275					280					285			
Asp	Ser	Trp	Tyr	Tyr	Pro	Ser	Tyr	Pro	Pro	Ser	Tyr	Pro	Gly	Thr	Trp
	290					295					300				
Asn	Arg	Ala	Tyr	Ser	Pro	Leu	His	Gly	Gly	Ser	Gly	Ser	Tyr	Ser	Val
305					310					315					320
Cys	Ser	Asn	Ser	Asp	Thr	Lys	Thr	Arg	Thr	Ala	Ser	Gly	Tyr	Gly	Gly
				325					330					335	
Thr	Arg	Arg	Arg												
				340											

<210> 175

<211> 24

<212> PRT

<213> Homo sapiens

SCOTT: 11/16/80

Gly Trp Asn Asp Pro Asp Arg Met
20

<213> Homo sapiens

Lys Gly Trp Asp Gly Tyr Asp Val Gln Trp
20 25

<213> Homo sapiens

Ser Gly Lys Gln His Gly Phe Ala Ser Phe Ser Asp Tyr Tyr Tyr Lys
20 25 30

<213> Homo sapiens

Glu Tyr Pro Pro Phe Ser His Arg Tyr Gln Arg Phe
20 25

<213> Homo sapiens

Glu Asn Ser Gly Pro Gly Phe Trp Thr Gly Leu Gly Thr Gly Gly Ile

```

1           5           10           15
Leu Gly Tyr Leu Phe Gly Ser Asn Arg Ala
      20           25

<210> 180
<211> 25
<212> PRT
<213> Homo sapiens

<400> 180
Asn Arg Ala Tyr Ser Pro Leu His Gly Gly Ser Gly Ser Tyr Ser Val
  1           5           10           15

Cys Ser Asn Ser Asp Thr Lys Thr Arg
      20           25

<210> 181
<211> 124
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (30)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (31)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (32)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 181
Thr Glu Ser Gln Met Lys Cys Phe Leu Gly Asn Ser His Asp Thr Ala
  1           5           10           15

Pro Arg His Thr Cys Ser Gly Gln Gly Leu His Gly Gly Xaa Xaa Xaa
      20           25           30

Thr Ala Pro Leu Arg Ala Leu Gln Gln His Ser Gln Asp Gly Lys Leu
      35           40           45

Cys Thr Asn Ser Leu Pro Ala Ala Arg Gly Gly Pro His Lys His Val
      50           55           60

Val Val Thr Val Val Tyr Ser Val Lys His Trp Lys Pro Thr Glu Arg
      65           70           75           80

Ser Ser Val Ser Ile Lys Lys Glu Glu Glu Thr Asp Trp Asp Met Asp
      85           90           95

```

Gly Val Gln Thr Glu Glu Leu Arg His Pro Ser Leu
115 120

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<220>
<221> SITE
<222> (16)
<223> Xaa equals any of the naturally occurring L-amino acids
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<220>
<221> SITE
<222> (23)
<223> Xaa equals any of the naturally occurring L-amino acids
```

```
<220>  
<221> SITE  
<222> (25)  
<223> Xaa equals any of the naturally occurring L-amino acids
```

```
<220>
<221> SITE
<222> (26)
<223> Xaa equals any of the naturally occurring L-amino acids
```

```
<220>
<221> SITE
<222> (27)
<223> Xaa equals any of the naturally occurring L-amino acids
```

```
<400> 182
Asn Ala Ser Trp Glu Ile His Met Thr Gln Arg His Val Ile Pro Xaa
  1                      5                      10                     15
```

Leu Ala Arg Ala Ser Met Xaa Val Xaa Xaa Xaa Gln Arg Pro Ser Glu
20 25 30

Leu Cys Ser Ser Ile Arg Arg Met Ala Asn Ser Ala Gln Ile Val Phe
35 40 45

Pro Leu Pro Val Gly Ala Pro Thr Asn Thr Leu Ser Ser Leu Leu Tyr
50 55 60

Thr Val Leu Asn Thr Gly Asn Gln Gln Lys Glu Ala Val
65 70 75

```
<210> 183
<211> 30
<212> PRT
<213> Homo sapiens
```

[illegible]

<400> 183

Ala Pro Leu Arg Ala Leu Gln Gln His Ser Gln Asp Gly Lys Leu Cys
 1 5 10 15

Thr Asn Ser Leu Pro Ala Ala Arg Gly Gly Pro His Lys His
 20 25 30

<210> 184

<211> 27

<212> PRT

<213> Homo sapiens

<400> 184

Arg Ser Ser Val Ser Ile Lys Lys Glu Glu Glu Thr Asp Trp Asp Met
 1 5 10 15

Asp Gln Leu Ser Lys Gln Arg Thr Thr Tyr Glu
 20 25

<210> 185

<211> 29

<212> PRT

<213> Homo sapiens

<400> 185

Leu Cys Ser Ser Ile Arg Arg Met Ala Asn Ser Ala Gln Ile Val Phe
 1 5 10 15

Pro Leu Pro Val Gly Ala Pro Thr Asn Thr Leu Ser Ser
 20 25

<210> 186

<211> 17

<212> PRT

<213> Homo sapiens

<400> 186

Leu Ser Ile Ile Phe Leu Ala Phe Val Ser Ile Asp Arg Cys Leu Gln
 1 5 10 15

Leu

<210> 187

<211> 67

<212> PRT

<213> Homo sapiens

<400> 187

Gly Ser Cys Phe Ala Thr Trp Ala Phe Ile Gln Lys Asn Thr Asn His
 1 5 10 15

Arg Cys Val Ser Ile Tyr Leu Ile Asn Leu Leu Thr Ala Asp Phe Leu

SCOTT: 11/16/60

30

Tyr Ile Asn
65

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<210> 188
<211> 31
<212> PRT
<213> Homo sapiens
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<400> 188
Lys Asn Thr Asn His Arg Cys Val Ser Ile Tyr Leu Ile Asn Leu Leu
1 5 10 15

Thr Ala Asp Phe Leu Leu Thr Leu Ala Leu Pro Val Lys Ile Val
20 25 30

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<210> 189
<211> 17
<212> PRT
<213> Homo sapiens
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```
<400> 189
Lys His Thr Val Glu Thr Arg Ser Val Ala Phe Arg Lys Gln Leu Asn
  1             5             10             15
```

Arg

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<210> 190
<211> 30
<212> PRT
<213> Homo sapiens
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<220>
<221> SITE
<222> (18)
<223> Xaa equals any of the naturally occurring L-amino acids
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<220>
<221> SITE
<222> (29)
<223> Xaa equals any of the naturally occurring L-amino acids
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<400> 190
Pro Gln Val Leu His Leu Arg Trp Leu Pro Lys Val Leu Gly Tyr Arg
      1              5              10              15
```

Ser Xaa Pro Leu Arg Leu Ala Asp Pro Ser Thr Phe Xaa Met

[illegible]

Pro Ser Pro Gln Gly Glu Val Arg Phe Leu Arg Ser Pro Arg Met Gly
1 5 10 15

Gly Gln Val Pro His Trp Glu Trp Arg Ser His Ser Leu
 20 25

<210> 194
 <211> 27
 <212> PRT
 <213> Homo sapiens

<400> 194
 His Gln Val Gln Leu Pro Ala Ala Glu Ser His Thr Leu Asn Thr Gly
 1 5 10 15

Leu Leu Arg Ser Asp Thr Gly Gln Phe Thr Pro
 20 25

<210> 195
 <211> 60
 <212> PRT
 <213> Homo sapiens

<400> 195
 Ala Pro Leu Glu Thr Met Gln Asn Lys Pro Arg Ala Pro Gln Lys Arg
 1 5 10 15

Ala Leu Pro Phe Pro Glu Leu Glu Leu Arg Asp Tyr Ala Ser Val Leu
 20 25 30

Thr Arg Tyr Ser Leu Gly Leu Arg Asn Lys Glu Pro Ser Leu Gly His
 35 40 45

Arg Trp Gly Thr Gln Lys Leu Gly Arg Ser Pro Cys
 50 55 60

<210> 196
 <211> 217
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (85)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (97)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (157)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 196

<211> 27

Ile Ala Gln Val Leu Lys Ala Glu Met Cys Leu Val Xaa Arg Pro His
 1 5 10 15

Pro Xaa Leu Leu Asp Ser His Arg Gly Trp Ala Gly Glu Thr Leu Arg
 20 25 30

Gly Gln Gly Arg Gln Glu Xaa Glu Ser Asp Thr Lys Ala Gly Thr Leu
 35 40 45

Gln Leu Gln Arg Gln Ala Pro Leu Pro Leu Thr Gln His Ser Leu Val
 50 55 60

Leu Pro Ile Ser Pro Gly Pro Ser Asn His Thr Gln Ser
 65 70 75

<210> 202

<211> 20

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (16)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 202

Arg Gly Trp Ala Gly Glu Thr Leu Arg Gly Gln Gly Arg Gln Glu Xaa
 1 5 10 15

Glu Ser Asp Thr
 20

<210> 203

<211> 20

<212> PRT

<213> Homo sapiens

<400> 203

Ala Pro Leu Pro Leu Thr Gln His Ser Leu Val Leu Pro Ile Ser Pro
 1 5 10 15

Gly Pro Ser Asn
 20

<210> 204

<211> 166

<212> PRT

<213> Homo sapiens

<400> 204

Asn Arg Glu Arg Gly Gly Ala Gly Ala Thr Phe Glu Cys Asn Ile Cys
 1 5 10 15

Leu Glu Thr Ala Arg Glu Ala Val Val Ser Val Cys Gly His Leu Tyr
 20 25 30

```

<210> 205
<211> 149
<212> PRT
<213> Homo sapiens

<400> 205
Asn Arg Glu Arg Gly Gly Ala Gly Ala Thr Phe Glu Cys Asn Ile Cys
  1              5              10              15
Leu Glu Thr Ala Arg Glu Ala Val Val Ser Val Cys Gly His Leu Tyr
      20              25              30
Cys Trp Pro Cys Leu His Gln Trp Leu Glu Thr Arg Pro Glu Arg Gln
      35              40              45
Glu Cys Pro Val Cys Lys Ala Gly Ile Ser Arg Glu Lys Val Val Pro
      50              55              60
Leu Tyr Gly Arg Gly Ser Gln Lys Pro Gln Asp Pro Arg Leu Lys Thr
      65              70              75              80
Pro Pro Arg Pro Gln Gly Gln Arg Pro Ala Pro Glu Ser Arg Gly Gly
      85              90              95
Phe Gln Pro Phe Gly Asp Thr Gly Gly Phe His Phe Ser Phe Gly Val
      100              105              110
Gly Ala Phe Pro Phe Gly Phe Phe Thr Thr Val Phe Asn Ala His Glu
      115              120              125

```

[illegible]

<400> 209

Phe Arg Arg Gly Thr Gly Val Asp Leu Gly Gln Gly His Pro Ala Ser
20 25 30

 $\langle 210 \rangle$ 210

<211> 15

<212> PRT

<213> Homo sapiens

 $\langle 400 \rangle$ 210

Gly Leu Ser Thr Gly Pro Asp Met Ala Ser Leu Asp Leu Phe Val
1 5 10 15

<210> 211

<211> 97

<212> PRT

<213> Homo sapiens

$\langle 400 \rangle$ 211

Gly Arg Pro Thr Arg Pro Ser Gln Ala Thr Arg His Phe Leu Leu Gly
1 5 10 15

Thr Leu Phe Thr Asn Cys Leu Cys Gly Thr Phe Cys Phe Pro Cys Leu
20 25 30

Gly Cys Gln Val Ala Ala Asp Met Asn Glu Cys Cys Leu Cys Gly Thr
35 40 45

Ser Val Ala Met Arg Thr Leu Tyr Arg Thr Arg Tyr Gly Ile Pro Gly
50 55 60

Ser Ile Cys Asp Asp Tyr Met Ala Thr Leu Cys Cys Pro His Cys Thr
65 70 75 80

Leu Cys Gln Ile Lys Arg Asp Ile Asn Arg Arg Arg Ala Met Arg Thr
85 90 95

Phe

<210> 212

<211> 146.

<212> PRT

<213> Homo sapiens

<400> 212

Ile Lys Asn Leu Ile Phe Phe Met Pro Ser Val Val Leu Lys His Ile
1 5 10 15

His His Ile Ser Val Ala Lys Asp Gly Glu Glu Leu Lys Leu Lys Arg
20 25 30

Cys Leu Leu Asn Phe Val Ala Ser Val Arg Ala Phe His His Gln Phe
35 40 45

Leu Glu Ser Thr His Gly Ser Pro Ser Val Asp Ile Ser Leu Asp Leu
50 55 60

Ala Lys Ser Thr Met Arg Thr Ala Lys Ser Cys His Ile Val Ile Thr
65 70 75 80

Asn Arg Ser Arg Asp Ala Ile Ser Gly Pro Val Glu Ser Pro His Cys
85 90 95

Asp Ala Cys Ser Thr Gln Thr Ala Phe Ile His Ile Ser Cys Asn Leu
100 105 110

Thr Pro Lys Ala Arg Glu Thr Lys Cys Ala Thr Glu Thr Ile Ser Lys
115 120 125

Gln Gly Ser Glu Gln Glu Met Ser Cys Gly Leu Gly Arg Thr Arg Gly
130 135 140

Ser Thr
145

<210> 213

<211> 23

<212> PRT

<213> Homo sapiens

<400> 213

Phe Leu Leu Gly Thr Leu Phe Thr Asn Cys Leu Cys Gly Thr Phe Cys
1 5 10 15

Phe Pro Cys Leu Gly Cys Gln
20

<210> 214

<211> 24

<212> PRT

<213> Homo sapiens

<400> 214

Ser Ile Cys Asp Asp Tyr Met Ala Thr Leu Cys Cys Pro His Cys Thr
1 5 10 15

Leu Cys Gln Ile Lys Arg Asp Ile
20

<210> 215

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<211> 30
 <212> PRT
 <213> Homo sapiens

<400> 215
 Ser Val Val Leu Lys His Ile His His Ile Ser Val Ala Lys Asp Gly
 1 5 10 15
 Glu Glu Leu Lys Leu Lys Arg Cys Leu Leu Asn Phe Val Ala
 20 25 30

<210> 216
 <211> 26
 <212> PRT
 <213> Homo sapiens

<400> 216
 Asn Phe Val Ala Ser Val Arg Ala Phe His His Gln Phe Leu Glu Ser
 1 5 10 15
 Thr His Gly Ser Pro Ser Val Asp Ile Ser
 20 25

<210> 217
 <211> 28
 <212> PRT
 <213> Homo sapiens

<400> 217
 Thr Ala Phe Ile His Ile Ser Cys Asn Leu Thr Pro Lys Ala Arg Glu
 1 5 10 15
 Thr Lys Cys Ala Thr Glu Thr Ile Ser Lys Gln Gly
 20 25

<210> 218
 <211> 6
 <212> PRT
 <213> Homo sapiens

<400> 218
 Met Lys Gly Glu Ile Glu
 1 5

<210> 219
 <211> 14
 <212> PRT
 <213> Homo sapiens

<400> 219
 Glu Phe Gly Thr Ser Arg Gly Arg Gln His Arg Ala Leu Glu
 1 5 10

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<400> 221
Gly Leu Gly Gln Gly Gly Gln Gly Leu Asp Gly Gly Arg Lys Leu Met
 1          5          10          15
Tyr Leu Gln Glu Leu Pro Arg Arg Asp His Tyr Ile Phe Tyr Cys Lys
      20          25          30
Asp Gln His His Gly Gly Xaa Leu His Met Gly Lys Leu Val Gly Arg
      35          40          45
Asn Ser Asp Thr Asn Arg Glu Ala Leu Glu Glu Phe Lys Lys Leu Val
      50          55          60
Gln Arg Lys Gly Leu Ser Glu Glu Asp Ile Phe Thr Pro Leu Gln Thr
      65          70          75          80
Gly Ser Cys Val Pro Glu His
      85

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<210> 222
 <211> 176
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (62)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (84)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (143)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (152)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 222
 Ser Gly Pro Ser Arg Leu Arg Thr Ser Leu Ser His Pro Val Ser Asp
 1 5 10 15
 Val Arg Ala Thr Ser Pro Pro Gly Arg Arg Gly Gln Pro Leu Leu Gly
 20 25 30
 Gly Gly Gln Ser Trp Gly Pro Gly Lys Arg Ala Ala Trp Ala Leu Ser
 35 40 45
 Thr Cys Gly Gly Trp Cys Thr Gly Val Gly Gly Gly Gly Xaa Trp Gly
 50 55 60
 Trp Glu Trp Gly Arg Gly Ser Gln Ala Leu Tyr Leu Pro Gly Ser Ser
 65 70 75 80
 Val Phe Arg Xaa Arg Ile Phe Phe Trp Met His Arg Ser Ser Leu Met
 85 90 95
 Lys Val Asn Val Ala Ser Asn Phe Pro Pro Pro Arg Ala Val Thr Phe
 100 105 110
 Thr Gly Asp Thr Phe Trp Ala Ser Cys Leu Arg Lys Val Leu Ser Thr
 115 120 125
 Thr Met Ala Phe Thr Tyr Gln Val Pro Val Ile Ser Ser Ser Xaa Arg
 130 135 140
 Val Lys Asp Arg Ala Ala Ala Xaa Pro Ser Val Thr Pro Arg Asn Arg
 145 150 155 160

66077-117630

Val Phe Ile Ser Arg Ala Leu Cys Cys Arg Pro Arg Leu Val Pro Asn
 165 170 175

<210> 223
 <211> 103
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (74)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (92)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 223
 Gly Leu Pro Glu Gly Arg Arg Asp Leu Val His Leu Asp Cys Gly Gln
 1 5 10 15

Ala Cys His Thr Arg Cys Leu Met Ser Gly Pro Pro Ala Pro Gln Glu
 20 25 30

Gly Glu Ala Ser Pro Ser Leu Glu Val Gly Arg Ala Gly Ala Leu Ala
 35 40 45

Lys Gly Gln Pro Gly His Ser Leu Pro Val Glu Ala Gly Ala Leu Gly
 50 55 60

Leu Ala Val Gly Glu Gly Gly Gly Gly Xaa Gly Gly Gly Ala His Arg
 65 70 75 80

Arg Cys Ile Cys Gln Ala Pro Pro Ser Ser Ala Xaa Gly Phe Ser Ser
 85 90 95

Gly Cys Thr Asp Pro Pro Ser
 100

<210> 224
 <211> 30
 <212> PRT
 <213> Homo sapiens

<400> 224
 Val Glu Met Asp Gln Ile Thr Pro Ala Leu Trp Glu Ala Leu Ala Ile
 1 5 10 15

Asp Thr Leu Arg Lys Leu Arg Ile Gly Thr Arg Arg Pro Arg
 20 25 30

SCOTT: JHFB60

<400> 229

Cys Leu Met Ser Gly Pro Pro Ala Pro Gln Glu Gly Glu Ala Ser Pro
1 5 10 15

Ser Leu Glu Val Gly Arg Ala Gly Ala Leu Ala Lys
20 25

SCOTT WHELFORD